CPC COOPERATIVE PATENT CLASSIFICATION

A HUMAN NECESSITIES

HEALTH; AMUSEMENT

A61 MEDICAL OR VETERINARY SCIENCE; HYGIENE

A61M DEVICES FOR INTRODUCING MEDIA INTO, OR ONTO, THE BODY (introducing media into or onto the bodies of animals A61D 7/00; means for inserting tampons A61F 13/26; devices for administering food or medicines orally A61J; containers for collecting, storing or administering blood or medical fluids A61J 1/05); DEVICES FOR TRANSDUCING BODY MEDIA OR FOR TAKING MEDIA FROM THE BODY (surgery A61B; chemical aspects of surgical articles A61L); DEVICES FOR PRODUCING OR ENDING SLEEP OR STUPOR {(Electrotherapy, e.g. producing anaesthesia by the use of alternating or intermittent currents A61N 1/36021)}

NOTES

- 1. This subclass <u>covers</u> suction, pumping or atomising devices for medical use (e.g. cups, breast relievers, irrigators, sprays, powder insufflators, atomisers, inhalers), apparatus for general or local anaesthetics, devices or methods for causing a change in the state of consciousness, catheters, dilators, apparatus for introducing medicines into the body other than orally
- 2. Void
- 3. When classifying in this group, classification is also made in group <u>B01D 15/08</u> insofar as subject matter of general interest relating to chromatography is concerned

WARNINGS

1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:

	er e groups.		
	A61M 1/18	covered by	B01D 63/02, B01D 63/04
	A61M 1/20	covered by	<u>B01D 63/06</u>
	A61M 1/22	covered by	B01D 63/08
	A61M 1/24	covered by	<u>B01D 63/10</u>
	A61M 3/04	covered by	A61M 3/02
	A61M 5/175	covered by	<u>A61M 5/168</u>
	A61M 5/303	covered by	<u>A61M 5/30</u>
	A61M 5/307	covered by	<u>A61M 5/30</u>
	A61M 25/08	covered by	A61M 25/0105
	A61M 25/082	covered by	<u>A61M 25/0116</u>
	A61M 25/085	covered by	A61M 25/0122
	A61M 25/088	covered by	<u>A61M 25/01</u>
	A61M 25/092	covered by	A61M 25/0133
	A61M 25/095	covered by	A61M 25/01, A61B 5/00, A61N 1/056
	A61M 25/098	covered by	A61M 25/0108
	A61M 25/12	covered by	A61M 25/10, A61M 29/02
	A61M 25/14	covered by	A61M 25/0021
	A61M 25/16	covered by	A61M 25/0009
	A61M 25/18	covered by	A61M 25/0014
	A61M 29/04	covered by	A61M 29/02
	A61M 36/00	covered by	A61M 37/0069, A61N 5/10
	A61M 36/02	covered by	A61M 37/0069, A61N 5/10
	A61M 36/04	covered by	A61M 37/0069, A61N 5/10
	A61M 36/06	covered by	A61M 37/0069, A61N 5/10, A61M 15/02
	A61M 36/08	covered by	<u>A61M 5/1785</u>
	A61M 36/10	covered by	A61M 37/0069, A61N 5/10
	A61M 36/12	covered by	A61M 37/0069, A61N 5/10
	A61M 36/14	covered by	A61M 37/0069, A61N 5/10
,	In this subclass non-limiting references (in the	sense of paragraph 39 of the Gu	ide to the IPC) may still be displayed in the

2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00	Suction or pumping devices for medical purposes; Devices for carrying-off, for treatment of, or for	1/068	• • • {having means for simultaneous feeding, e.g. with rubber nipple for feeding}
	carrying-over, body-liquids; Drainage systems	1/069	• • {Means for improving milking yield}
	(catheters A61M 25/00; tube connectors, tube	1/0693	• • • {with programmable or pre-programmed
	couplings, valves or branch units specially adapted for		sucking patterns}
	medical use A61M 39/00; devices for taking samples	1/06935	• • • {imitating the suckling of an infant}
	of blood A61B 5/15; filters implantable into blood	1/0697	• • • {having means for massaging the breast}
1 /00	vessels A61F 2/01)	1/08	• Cupping glasses {, i.e. for enhancing blood
1/02	Blood transfusion apparatus (blood infusion by Wringer A61M 5/14)		circulation}
1/0204	syringes <u>A61M 5/14</u>) • {Blood stirrers, e.g. for defibrination}	1/14	 Dialysis systems; Artificial kidneys; Blood
1/0204	Multiple bag systems for separating or storing		oxygenators (semi-permeable membranes
1/0207	blood components}		characterised by the material, manufacturing processes therefor <u>B01D 71/00</u>) {; Reciprocating
1/0213	• • • { with isolated sections of the tube used as		systems for treatment of body fluids, e.g. single
	additive reservoirs}		needle systems for hemofiltration or pheresis}
1/0218	• • • {with filters}		
1/0222	{and filter bypass}		WARNING
1/0227	• • • {and means for securing the filter against		Group A61M 1/14 is impacted by reclassification
	damage, e.g. during centrifugation}		into groups <u>A61M 1/15</u> - <u>A61M 1/159</u> ,
1/0231	• • • { with gas separating means, e.g. air outlet		A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623.
	through microporous membrane or gas bag}		
1/0236	• • • { with sampling means, e.g. sample bag or		All groups listed in this Warning should be considered in order to perform a complete
1 /00 /	sampling port}		search.
1/024	Means for controlling the quantity of transfused blood, e.g. by weighing the container and		search.
	automatic stopping of the transfusion after	1/15	• • {with a cassette forming partially or totally
	reaching a determined amount}		the flow circuit for the treating fluid, e.g. the
1/0245	• • • {combined with blood container shaking		dialysate fluid circuit or the treating gas circuit}
	means}		WARNING
1/025	• • {Means for agitating or shaking blood containers		Groups A61M 1/15 - A61M 1/1566 are
	(A61M 1/0245 takes precedence; shaking in		incomplete pending reclassification of
4/00-74	general <u>B01F 31/00</u>)}		documents from groups A61M 1/14,
1/0254	• • • { with a support plate moving only in one plane,		<u>A61M 1/16</u> - <u>A61M 1/267</u> ,
1/0250	e.g. horizontal}. {Apparatus for treatment of blood or blood		<u>A61M 1/30</u> - <u>A61M 1/362</u> .
1/0259	constituents not otherwise provided for (for		All groups listed in this Warning should be
	agitating A61M 1/025; for separating blood		considered in order to perform a complete search.
	components present in distinct layers in a		search.
	container <u>A61M 1/029</u>)}	1/152	• • • {Details related to the interface between
1/0272	• • {Apparatus for treatment of blood or blood		cassette and machine}
	constituents prior to or for conservation, e.g.	1/1522	• • • • {the interface being evacuated interfaces to
1 /0055	freezing, drying or centrifuging}		enhance contact}
1/0277	• • • {Frames constraining or supporting bags, e.g.	1/1524	• • • { the interface providing means for actuating
1/0281	during freezing}• {Apparatus for treatment of blood or blood		on functional elements of the cassette, e.g. plungers}
1/0261	constituents prior to transfusion, e.g. washing,	1/153	• • • {the cassette being adapted for heating or
	filtering or thawing}	1, 100	cooling the treating fluid, e.g. the dialysate or
1/0286	• • {Handling a large number of blood product units,		the treating gas}
	e.g. storage cabinets, blood bank administration}	1/154	• • • {with sensing means or components thereof}
1/029	• • {Separating blood components present in distinct	1/155	• • • { with treatment-fluid pumping means or
	layers in a container, not otherwise provided for		components thereof}
	(containers for storing blood or blood components	1/156	• • • {Constructional details of the cassette, e.g.
	A61J 1/05; sampling or analysing blood by		specific details on material or shape}
1/0295	separating blood components <u>G01N 33/491</u>)} {whereby the blood container and a solution		
1/04/3	container are compressed simultaneously by the		
	same means}		
1/04	• {Artificial} pneumothorax apparatus		
1/06	Milking pumps		
1/062	• • {Pump accessories}		
1/064	• • • {Suction cups}		
1/066	• • • • {Inserts therefor}		
1/067	• • • {with means for hands-free operation}		

1/1561 . . . {at least one cassette surface or portion 1/1603 {Regulation parameters} thereof being flexible, e.g. the cassette WARNING having a rigid base portion with preformed channels and being covered with a foil} Group A61M 1/1603 is impacted by reclassification into groups WARNING A61M 1/15 - A61M 1/159, Group $\underline{A61M \ 1/1561}$ is incomplete A61M 1/1657, A61M 1/3401 and pending reclassification of documents <u>A61M 1/3622</u> - <u>A61M 1/3623</u>. from group <u>A61M 1/14</u>. All groups listed in this Warning should Groups A61M 1/14 and A61M 1/1561 be considered in order to perform a should be considered in order to perform complete search. a complete search. 1/1605 {Physical characteristics of the dialysate 1/1562 • • • {Details of incorporated reservoirs} fluid} 1/15625 {the reservoirs acting as balance WARNING chambers } Group A61M 1/1605 is impacted WARNING by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, Group A61M 1/15625 is incomplete A61M 1/1657, A61M 1/3401 and pending reclassification of documents A61M 1/3622 - A61M 1/3623. from group A61M 1/14. All groups listed in this Warning should Groups A61M 1/14 and A61M 1/15625 be considered in order to perform a should be considered in order to perform a complete search. complete search. 1/1607 {before use, i.e. upstream of dialyser} 1/1563 • • • {Details of incorporated filters} • • • • {the filter being a dialyser} 1/15632 **WARNING** 1/1565 . . . {Details of valves} Group A61M 1/1607 is impacted 1/1566 . . . {Means for adding solutions or substances to by reclassification into groups the treating fluid} A61M 1/15 - A61M 1/159, 1/159 • • { specially adapted for peritoneal dialysis} A61M 1/1657, A61M 1/3401 and WARNING A61M 1/3622 - A61M 1/3623 All groups listed in this Warning Group A61M 1/159 is incomplete pending should be considered in order to reclassification of documents from groups perform a complete search. A61M 1/14, A61M 1/16 - A61M 1/362. All groups listed in this Warning should be • • • • {after use, i.e. downstream of dialyser} 1/1609 considered in order to perform a complete **WARNING** search. Group A61M 1/1609 is impacted 1/16 . . with membranes by reclassification into groups WARNING A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and Group A61M 1/16 is impacted A61M 1/3622 - A61M 1/3623. by reclassification into groups All groups listed in this Warning A61M 1/15 - A61M 1/159, should be considered in order to A61M 1/1657, A61M 1/3401 and perform a complete search. <u>A61M 1/3622</u> - <u>A61M 1/3623</u>. All groups listed in this Warning should be 1/1611 {Weight of the patient} considered in order to perform a complete WARNING search. Group A61M 1/1611 is impacted 1/1601 • • • {Control or regulation} by reclassification into groups **WARNING** A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and Group A61M 1/1601 is impacted A61M 1/3622 - A61M 1/3623. by reclassification into groups All groups listed in this Warning should <u>A61M 1/15</u> - <u>A61M 1/159</u>, be considered in order to perform a A61M 1/1657, A61M 1/3401 and complete search.

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A61M 1/3622 - A61M 1/3623.

search.

All groups listed in this Warning should be considered in order to perform a complete

1/1613 {Profiling or modelling of patient or predicted treatment evolution or outcome}

WARNING

Group <u>A61M 1/1613</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/1615 {using measurements made at different flow rates}

WARNING

Group <u>A61M 1/1615</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/1617 { using measurements made during a temporary variation of a characteristic of the fresh dialysis fluid}

WARNING

Group <u>A61M 1/1617</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/1657</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/1619 • • • • {Sampled collection of used dialysate, i.e. obviating the need for recovery of whole dialysate quantity for post-dialysis analysis}

WARNING

Group <u>A61M 1/1619</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search. 1/1621 . . . {Constructional aspects thereof (semipermeable membranes for separation processes characterised by their properties <u>B01D 69/00</u>; semi permeable membranes characterised by their material <u>B01D 71/00</u>)}

WARNING

Group <u>A61M 1/1621</u> is impacted by reclassification into groups <u>A61M 1/15 - A61M 1/159</u>, <u>A61M 1/1657</u>, <u>A61M 1/3401</u>, <u>A61M 1/3622 - A61M 1/3623</u> and <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/1623 {Disposition or location of membranes relative to fluids}

WARNING

Group <u>A61M 1/1623</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/1625 {Dialyser of the outside perfusion type, i.e. blood flow outside hollow membrane fibres or tubes}

WARNING

Group <u>A61M 1/1625</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/1627 {Dialyser of the inside perfusion type, i.e. blood flow inside hollow membrane fibres or tubes}

WARNING

Group <u>A61M 1/1627</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/1629 • • • { with integral heat exchanger } 1/1639 {linked by membranes} WARNING WARNING Group A61M 1/1629 is impacted Group A61M 1/1639 is impacted by reclassification into groups by reclassification into groups A61M 1/15 - A61M 1/159, A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and A61M 1/1657, A61M 1/3401 and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>. A61M 1/3622 - A61M 1/3623. All groups listed in this Warning should All groups listed in this Warning should be considered in order to perform a be considered in order to perform a complete search. complete search. 1/1631 {having non-tubular membranes, e.g. sheets} 1/1641 • • • • {linked by pistons} WARNING WARNING Group A61M 1/1631 is impacted Group A61M 1/1641 is impacted by reclassification into groups by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/15</u> - <u>A61M 1/159</u>, A61M 1/1657, A61M 1/3401 and A61M 1/1657, A61M 1/3401 and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>. <u>A61M 1/3622</u> - <u>A61M 1/3623</u>. All groups listed in this Warning should All groups listed in this Warning should be considered in order to perform a be considered in order to perform a complete search. complete search. 1/1633 • • • { with more than one dialyser unit } • • • { with weighing of fresh and used dialysis 1/1643 fluid} WARNING **WARNING** Group A61M 1/1633 is impacted by reclassification into groups Group A61M 1/1643 is impacted A61M 1/15 - A61M 1/159, by reclassification into groups A61M 1/1657, A61M 1/3401 and A61M 1/15 - A61M 1/159, A61M 1/3622 - A61M 1/3623. A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623. All groups listed in this Warning should be considered in order to perform a All groups listed in this Warning should complete search. be considered in order to perform a complete search. 1/1635 • • • { with volume chamber balancing devices between used and fresh dialysis fluid} 1/1645 • • • { with mechanically linked peristaltic dialysis fluid pumps one upstream, the other one **WARNING** downstream of the dialyser} Group A61M 1/1635 is impacted **WARNING** by reclassification into groups A61M 1/15 - A61M 1/159, Group A61M 1/1645 is impacted A61M 1/1657, A61M 1/3401 and by reclassification into groups A61M 1/3622 - A61M 1/3623. A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and All groups listed in this Warning should A61M 1/3622 - A61M 1/3623. be considered in order to perform a complete search. All groups listed in this Warning should be considered in order to perform a {containing the whole volume of dialysis 1/1637 complete search. fluid used during a treatment session} 1/1647 • • • { with flow rate measurement of the dialysis WARNING fluid, upstream and downstream of the Group A61M 1/1637 is impacted dialyser} by reclassification into groups WARNING A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and Group A61M 1/1647 is impacted A61M 1/3622 - A61M 1/3623. by reclassification into groups A61M 1/15 - A61M 1/159, All groups listed in this Warning should A61M 1/1657, A61M 1/3401 and be considered in order to perform a A61M 1/3622 - A61M 1/3623. complete search. All groups listed in this Warning should be considered in order to perform a

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complete search.

1/1649 • • • { with pulsatile dialysis fluid flow } 1/1657 • • • • { with centralised supply of dialysate or constituent thereof for more than one WARNING dialysis unit} Group A61M 1/1649 is impacted WARNING by reclassification into groups A61M 1/15 - A61M 1/159, Group A61M 1/1657 is incomplete pending reclassification of A61M 1/1657, A61M 1/3401 and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>. documents from groups A61M 1/14, A61M 1/16 - A61M 1/267, All groups listed in this Warning should A61M 1/30 - A61M 1/362. be considered in order to perform a complete search. All groups listed in this Warning should be considered in order to perform a 1/165 . . . { with a dialyser bypass on the dialysis fluid complete search. line } {Degasification} 1/1658 WARNING WARNING Group A61M 1/165 is impacted by reclassification into groups Group A61M 1/1658 is impacted <u>A61M 1/15</u> - <u>A61M 1/159</u>, by reclassification into groups A61M 1/1657, A61M 1/3401 and <u>A61M 1/15</u> - <u>A61M 1/159</u>, A61M 1/3622 - A61M 1/3623. A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623. All groups listed in this Warning should be considered in order to perform a All groups listed in this Warning should complete search. be considered in order to perform a complete search. 1/1652 . . . {Holding or locking systems for the • • • • {Heating (for sterilisation A61M 1/1686)} membrane unit} 1/166 **WARNING WARNING** Group A61M 1/1652 is impacted Group A61M 1/166 is impacted by reclassification into groups by reclassification into groups A61M 1/15 - A61M 1/159, A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623 A61M 1/3622 - A61M 1/3623. All groups listed in this Warning should All groups listed in this Warning should be considered in order to perform a be considered in order to perform a complete search. complete search. 1/1654 • • {Dialysates therefor} 1/1662 {with heat exchange between fresh and used dialysate} **WARNING WARNING** Group A61M 1/1654 is impacted by reclassification into groups Group A61M 1/1662 is impacted A61M 1/15 - A61M 1/159, by reclassification into groups A61M 1/1657, A61M 1/3401 and A61M 1/15 - A61M 1/159, A61M 1/3622 - A61M 1/3623. A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623. All groups listed in this Warning should be All groups listed in this Warning considered in order to perform a complete search. should be considered in order to perform a complete search. 1/1656 • • • {Apparatus for preparing dialysates} 1/1664 • • • • { with temperature control } WARNING WARNING Group A61M 1/1656 is impacted by reclassification into groups Group A61M 1/1664 is impacted A61M 1/15 - A61M 1/159, by reclassification into groups A61M 1/1657, A61M 1/3401 and A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623. A61M 1/3622 - A61M 1/3623. All groups listed in this Warning should be considered in order to perform a All groups listed in this Warning should be considered in order to complete search. perform a complete search.

1/1666

• • • • {by dissolving solids}

WARNING WARNING Group A61M 1/1666 is impacted Group A61M 1/1676 is impacted by reclassification into groups by reclassification into groups A61M 1/15 - A61M 1/159, A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and A61M 1/1657, A61M 1/3401 and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>. <u>A61M 1/3622</u> - <u>A61M 1/3623</u>. All groups listed in this Warning should All groups listed in this Warning should be considered in order to perform a be considered in order to perform a complete search. complete search. 1/1668 • • • • {Details of containers} 1/1678 . . . {intracorporal (peritoneal dialysis A61M 1/28)} WARNING WARNING Group A61M 1/1668 is impacted by reclassification into groups Group A61M 1/1678 is impacted <u>A61M 1/15</u> - <u>A61M 1/159</u>, by reclassification into groups A61M 1/1657, A61M 1/3401 and <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3622</u> - <u>A61M 1/3623</u>. A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623. All groups listed in this Warning should be considered in order to perform a All groups listed in this Warning should be complete search. considered in order to perform a complete search. {Flexible packaging for solid 1/167 1/168 • • { Sterilisation or cleaning before or after use } concentrates} **WARNING WARNING** Group A61M 1/167 is impacted Group A61M 1/168 is impacted by reclassification into groups by reclassification into groups A61M 1/15 - A61M 1/159, A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623. A61M 1/3622 - A61M 1/3623 All groups listed in this Warning All groups listed in this Warning should be should be considered in order to considered in order to perform a complete search. perform a complete search. • • • {both machine and membrane module, i.e. 1/1672 {using membrane filters, e.g. for sterilising 1/1682 the dialysate} also the module blood side} **WARNING WARNING** Group A61M 1/1672 is impacted Group A61M 1/1682 is impacted by reclassification into groups by reclassification into groups A61M 1/15 - A61M 1/159, A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623. A61M 1/3622 - A61M 1/3623. All groups listed in this Warning should All groups listed in this Warning should be considered in order to perform a be considered in order to perform a complete search. complete search. 1/1674 {using UV radiation sources for sterilising 1/1684 {Checking the module characteristics the dialysate} before reuse} WARNING WARNING Group A61M 1/1674 is impacted Group A61M 1/1684 is impacted by reclassification into groups by reclassification into groups A61M 1/15 - A61M 1/159, A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623. A61M 1/3622 - A61M 1/3623. All groups listed in this Warning should All groups listed in this Warning should be considered in order to perform a be considered in order to perform a complete search. complete search.

1/1676 {containing proteins, e.g. albumin}

1/1686 {by heat}

WARNING

Group <u>A61M 1/1686</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/1688 { with recirculation of the sterilising fluid}

WARNING

Group <u>A61M 1/1688</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/169 {using chemical substances}

WARNING

Group A61M 1/169 is impacted by reclassification into groups A61M 1/15 - A61M 1/159, A61M 1/3627, A61M 1/3401 and A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/1692 . . . {Detection of blood traces in dialysate}

WARNING

Group <u>A61M 1/1692</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/1694 . . . {with recirculating dialysing liquid}

WARNING

Group <u>A61M 1/1694</u> is impacted by reclassification into groups <u>A61M 1/15 - A61M 1/159</u>, <u>A61M 1/1657</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622 - A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/1696 { with dialysate regeneration}

WARNING

Group <u>A61M 1/1696</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/1657</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/1698 • • • {Blood oxygenators with or without heat-exchangers (intracorporal A61M 1/1678; manufacturing of membranes therefor B01D 67/00; semi-permeable membranes for separation processes characterised by their properties B01D 69/00; semi-permeable membranes characterised by their material B01D 71/00)}

WARNING

Group <u>A61M 1/1698</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/26 . . . {and internal elements} which are moving

WARNING

Group A61M 1/26 is impacted by reclassification into groups A61M 1/15 - A61M 1/159, A61M 1/3627, A61M 1/3401 and A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/262 . . . {rotating}

WARNING

Group A61M 1/262 is impacted by reclassification into groups A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/265 {inducing Taylor vortices}

WARNING

Group <u>A61M 1/265</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/1657</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/267 {used for pumping}

WARNING

Group <u>A61M 1/267</u> is impacted by reclassification into groups <u>A61M 1/15 - A61M 1/159</u>, <u>A61M 1/1657</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622 - A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/28 • Peritoneal dialysis {; Other peritoneal treatment, e.g. oxygenation}

WARNING

Group <u>A61M 1/28</u> is incomplete pending reclassification of documents from groups <u>A61M 1/281</u>, <u>A61M 1/282</u>, <u>A61M 1/284</u>, <u>A61M 1/285</u>, <u>A61M 1/287</u> and <u>A61M 1/288</u>.

Group A61M 1/28 is also impacted by reclassification into group A61M 1/159.

All groups listed in this Warning should be considered in order to perform a complete search.

1/281 . . . {Instillation other than by gravity}

WARNING

Group <u>A61M 1/281</u> is impacted by reclassification into groups <u>A61M 1/28</u> and A61M 1/159.

Groups A61M 1/281, A61M 1/28 and A61M 1/159 should be considered in order to perform a complete search.

1/282 . . . {Operational modes}

WARNING

Group <u>A61M 1/282</u> is impacted by reclassification into groups <u>A61M 1/28</u> and <u>A61M 1/159</u>.

Groups A61M 1/282, A61M 1/28 and A61M 1/159 should be considered in order to perform a complete search.

1/284 {Continuous flow peritoneal dialysis [CFPD]}

WARNING

Group <u>A61M 1/284</u> is impacted by reclassification into groups <u>A61M 1/28</u> and <u>A61M 1/159</u>,

Groups A61M 1/284, A61M 1/28 and A61M 1/159 should be considered in order to perform a complete search.

1/285 . . . {Catheters therefor}

WARNING

Group <u>A61M 1/285</u> is impacted by reclassification into groups <u>A61M 1/28</u> and <u>A61M 1/159</u>.

Groups A61M 1/285, A61M 1/28 and A61M 1/159 should be considered in order to perform a complete search.

1/287 . . . {Dialysates therefor}

WARNING

Group <u>A61M 1/287</u> is impacted by reclassification into groups <u>A61M 1/28</u> and <u>A61M 1/159</u>.

Groups A61M 1/287, A61M 1/28 and A61M 1/159 should be considered in order to perform a complete search.

1/288 • • • {Priming (priming in extracorporeal blood circuits A61M 1/3643)}

WARNING

Group <u>A61M 1/288</u> is impacted by reclassification into groups <u>A61M 1/28</u> and <u>A61M 1/159</u>.

Groups <u>A61M 1/288</u>, <u>A61M 1/28</u> and <u>A61M 1/159</u> should be considered in order to perform a complete search.

 Single needle dialysis {; Reciprocating systems, alternately withdrawing blood from and returning it to the patient, e.g. single-lumen-needle dialysis or single needle systems for hemofiltration or pheresis}

WARNING

Group <u>A61M 1/30</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3621</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/301 . . . {Details}

WARNING

Group <u>A61M 1/301</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/302 {having a reservoir for withdrawn untreated blood}

WARNING

Group <u>A61M 1/302</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/1657</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/303 . . . {having a reservoir for treated blood to be 1/308 {Volume control, e.g. with open or flexible containers, by counting the returned} number of pump revolutions, weighing} WARNING WARNING Group A61M 1/303 is impacted by reclassification into groups Group A61M 1/308 is impacted A61M 1/15 - A61M 1/159, by reclassification into groups A61M 1/1657, A61M 1/3401 and A61M 1/15 - A61M 1/159, A61M 1/3622 - A61M 1/3623. A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623. All groups listed in this Warning should be considered in order to perform a All groups listed in this Warning should complete search. be considered in order to perform a complete search. 1/304 {Treatment chamber used as reservoir, e.g. centrifuge bowl or filter with movable 1/309 • • • { with trans-membrane pressure [TMP] membrane } increasing substantially continuously during arterial phase} **WARNING** WARNING Group A61M 1/304 is impacted by reclassification into groups Group A61M 1/309 is impacted A61M 1/15 - A61M 1/159, by reclassification into groups A61M 1/1657, A61M 1/3401 and <u>A61M 1/15</u> - <u>A61M 1/159</u>, A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623 <u>A61M 1/3622</u> - <u>A61M 1/3623</u>. All groups listed in this Warning should All groups listed in this Warning should be considered in order to perform a complete search. be considered in order to perform a complete search. . . . {Control of inversion point between 1/305 collection and re-infusion phase} 1/32 . . Oxygenators without membranes **WARNING WARNING** Group A61M 1/305 is impacted Group A61M 1/32 is impacted by reclassification into groups by reclassification into groups A61M 1/15 - A61M 1/159, A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623. A61M 1/3622 - A61M 1/3623. All groups listed in this Warning should All groups listed in this Warning should be be considered in order to perform a considered in order to perform a complete complete search. search. 1/306 {Pressure control, e.g. using substantially 1/322 . . . {Antifoam; Defoaming} rigid closed or gas buffered or elastic WARNING reservoirs} Group A61M 1/322 is impacted WARNING by reclassification into groups Group A61M 1/306 is impacted A61M 1/15 - A61M 1/159, by reclassification into groups A61M 1/1657, A61M 1/3401 and A61M 1/15 - A61M 1/159, A61M 1/3622 - A61M 1/3623. A61M 1/1657, A61M 1/3401 and All groups listed in this Warning should be A61M 1/3622 - A61M 1/3623. considered in order to perform a complete All groups listed in this Warning should be considered in order to perform a 1/325 • • • {Surfactant coating; Improving wettability} complete search. WARNING 1/307 • • • • {Time control} Group A61M 1/325 is impacted WARNING by reclassification into groups Group A61M 1/307 is impacted A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and by reclassification into groups A61M 1/15 - A61M 1/159, A61M 1/3622 - A61M 1/3623. A61M 1/1657, A61M 1/3401 and All groups listed in this Warning should A61M 1/3622 - A61M 1/3623. be considered in order to perform a All groups listed in this Warning should complete search.

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be considered in order to perform a

complete search.

1/327 . . . {using catalytic production of oxygen}

WARNING

Group <u>A61M 1/327</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

 Filtering material out of the blood by passing it through a membrane, i.e. hemofiltration or diafiltration

WARNING

Group <u>A61M 1/34</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/1657</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3401 . . {Cassettes therefor}

WARNING

Group A61M 1/3401 is incomplete pending reclassification of documents from groups A61M 1/14, A61M 1/16 - A61M 1/267, A61M 1/30 - A61M 1/362.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3403 . . {Regulation parameters}

WARNING

Group A61M 1/3403 is impacted by reclassification into groups A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3406 • • {Physical characteristics of the filtrate, e.g. urea}

WARNING

Group <u>A61M 1/3406</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/341 . . . {by measuring the filtrate rate or volume}

WARNING

Group <u>A61M 1/341</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/1657</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3413 • • {Diafiltration}

WARNING

Group <u>A61M 1/3413</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3417 • • • {using distinct filters for dialysis and ultrafiltration}

WARNING

Group <u>A61M 1/3417</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/1657</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/342 • • {Adding solutions to the blood, e.g. substitution solutions (for preventing coagulation A61M 1/3672)}

WARNING

Group <u>A61M 1/342</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3424 . . . {Substitution fluid path}

WARNING

Group <u>A61M 1/3424</u> is impacted by reclassification into groups <u>A61M 1/15</u> - A61M 1/159, <u>A61M 1/1657</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3427 • • • {back through the membrane, e.g. by 1/3444 • • • {in which the collected ultra-filtrate expels an equal volume of substitution fluid from a inverted trans-membrane pressure [TMP]} reservoir} WARNING WARNING Group A61M 1/3427 is impacted by reclassification into groups Group A61M 1/3444 is impacted A61M 1/15 - A61M 1/159, by reclassification into groups A61M 1/1657, A61M 1/3401 and <u>A61M 1/15</u> - <u>A61M 1/159</u>, A61M 1/3622 - A61M 1/3623. A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623. All groups listed in this Warning should be considered in order to perform a All groups listed in this Warning should complete search. be considered in order to perform a complete search. 1/3431 {upstream of the filter} . . . {by mechanically linked pumps in both ultra-1/3448 WARNING filtrate and substitution flow line} Group A61M 1/3431 is impacted WARNING by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, Group A61M 1/3448 is impacted A61M 1/1657, A61M 1/3401 and by reclassification into groups A61M 1/3622 - A61M 1/3623. A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and All groups listed in this Warning should A61M 1/3622 - A61M 1/3623. be considered in order to perform a complete search. All groups listed in this Warning should be considered in order to perform a 1/3434 • • • • { with pre-dilution and post-dilution } complete search. **WARNING** • • • { the difference in weight between both ultra-1/3451 Group A61M 1/3434 is impacted filtrate and substitution reservoir being used by reclassification into groups as control signal} A61M 1/15 - A61M 1/159, **WARNING** A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623. Group A61M 1/3451 is impacted by reclassification into groups All groups listed in this Warning should A61M 1/15 - A61M 1/159, be considered in order to perform a A61M 1/1657, A61M 1/3401 and complete search. A61M 1/3622 - A61M 1/3623 1/3437 {downstream of the filter, e.g. post-dilution All groups listed in this Warning should with filtrate \} be considered in order to perform a complete search. **WARNING** Group A61M 1/3437 is impacted 1/3455 . . . {Substitution fluids} by reclassification into groups WARNING A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and Group A61M 1/3455 is impacted A61M 1/3622 - A61M 1/3623. by reclassification into groups A61M 1/15 - A61M 1/159, All groups listed in this Warning should A61M 1/1657, A61M 1/3401 and be considered in order to perform a A61M 1/3622 - A61M 1/3623. complete search. All groups listed in this Warning should be 1/3441 • • • {Substitution rate control as a function of the considered in order to perform a complete ultrafiltration rate} search.

WARNING

Group A61M 1/3441 is impacted by reclassification into groups A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

• • • {having electrolytes not present in the dialysate}

WARNING

Group A61M 1/3458 is impacted by reclassification into groups A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

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1/3458

1/3462 {Circuits for the preparation thereof}

WARNING

Group <u>A61M 1/3462</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3465 . . . {using dialysate as substitution fluid}

WARNING

Group <u>A61M 1/3465</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3468 {using treated filtrate as substitution fluid}

WARNING

Group <u>A61M 1/3468</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3472 • • {with treatment of the filtrate}

WARNING

Group <u>A61M 1/3472</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/1657</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3475 . . . {with filtrate treatment agent in the same enclosure as the membrane}

WARNING

Group <u>A61M 1/3475</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3479 . . . {by dialysing the filtrate}

WARNING

Group <u>A61M 1/3479</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/1657</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3482 • • • {by filtrating the filtrate using another cross-flow filter, e.g. a membrane filter}

WARNING

Group <u>A61M 1/3482</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3486 • • {Biological, chemical treatment, e.g. chemical precipitation; treatment by absorbents}

WARNING

Group <u>A61M 1/3486</u> is impacted by reclassification into groups <u>A61M 1/15</u> - A61M 1/159, <u>A61M 1/1657</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3489 {by biological cells, e.g. bioreactor}

WARNING

Group <u>A61M 1/3489</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/1657</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3493 . . . {using treatment agents in suspension}

WARNING

Group <u>A61M 1/3493</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3496 • • {Plasmapheresis; Leucopheresis; Lymphopheresis (A61M 1/3472 takes precedence)}

WARNING

Group <u>A61M 1/3496</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/36 • Other treatment of blood in a by-pass of the natural circulatory system, e.g. temperature adaptation, irradiation {; Extra-corporeal blood circuits}

WARNING

Group <u>A61M 1/36</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/1657</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3601 • • {Extra-corporeal circuits in which the blood fluid passes more than once through the treatment unit}

WARNING

Group <u>A61M 1/3601</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3601</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3603 . . . {in the same direction}

WARNING

Group <u>A61M 1/3603</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3602</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3604 . . . {in opposite directions}

WARNING

Group <u>A61M 1/3604</u> is impacted by reclassification into groups <u>A61M 1/15 - A61M 1/159</u>, <u>A61M 1/3602</u> and <u>A61M 1/3622 - A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3606 . . {Arrangements for blood-volume reduction of extra-corporeal circuits}

WARNING

Group <u>A61M 1/3606</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3607</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3607 . . {Regulation parameters}

WARNING

Group <u>A61M 1/3607</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3602</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3609 • • • {Physical characteristics of the blood, e.g. haematocrit, urea}

WARNING

Group <u>A61M 1/3609</u> is impacted by reclassification into groups <u>A61M 1/15</u> - A61M 1/159, <u>A61M 1/1657</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/361 . . . {before treatment}

WARNING

Group <u>A61M 1/361</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/1657</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3612 . . . { after treatment }

WARNING

Group <u>A61M 1/3612</u> is impacted by reclassification into groups <u>A61M 1/15 - A61M 1/159</u>, <u>A61M 1/1657</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622 - A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3613 • • {Reperfusion, e.g. of the coronary vessels, e.g. retroperfusion}

WARNING

Group <u>A61M 1/3613</u> is impacted by reclassification into groups <u>A61M 1/15</u> - A61M 1/159, <u>A61M 1/1657</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3615 . • {Cleaning blood contaminated by local chemotherapy of a body part temporarily isolated from the blood circuit}

WARNING

Group A61M 1/3615 is impacted by reclassification into groups A61M 1/15 - A61M 1/159, A61M 1/1657, A61M 1/3401 and A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3616 . . {Batch-type treatment}

WARNING

Group <u>A61M 1/3616</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3618 . . {Magnetic separation}

WARNING

Group <u>A61M 1/3618</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

 1/362 • {changing physical properties of target cells by binding them to added particles to facilitate their subsequent separation from other cells, e.g. immunoaffinity}

WARNING

Group <u>A61M 1/362</u> is impacted by reclassification into groups <u>A61M 1/15</u> - <u>A61M 1/159</u>, <u>A61M 1/3627</u>, <u>A61M 1/3401</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3621 • Extra-corporeal blood circuits (single-needle circuits <u>A61M 1/30</u>)}

WARNING

Group <u>A61M 1/3621</u> is impacted by reclassification into groups <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3622 • • • {with a cassette forming partially or totally the blood circuit}

WARNING

All groups listed in this Warning should be considered in order to perform a complete search.

1/36222 {Details related to the interface between cassette and machine}

1/362223 {the interface being evacuated interfaces to enhance contact}

1/362227 • • • • { the interface providing means for actuating on functional elements of the cassette, e.g. plungers }

1/36223 {the cassette being adapted for heating or cooling the blood}

1/36224 { with sensing means or components thereof} 1/36225 { with blood pumping means or components thereof}

1/36226 {Constructional details of cassettes, e.g. specific details on material or shape}

1/362261 {at least one cassette surface or portion thereof being flexible, e.g. the cassette having a rigid base portion with preformed channels and being covered with a foil}

1/362262 {Details of incorporated reservoirs}

1/362263 {Details of incorporated filters}

 $1/362264 \dots$ {the filter being a blood filter}

1/362265 {Details of valves}

1/362266 {Means for adding solutions or substances to the blood}

1/3623 • • • {Means for actively controlling temperature of blood}

WARNING

Group <u>A61M 1/3623</u> is incomplete pending reclassification of documents from groups <u>A61M 1/14</u>, <u>A61M 1/16</u> - <u>A61M 1/267</u>, <u>A61M 1/30</u> - <u>A61M 1/387</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3624 . . . {Level detectors; Level control}

WARNING

Group A61M 1/3624 is impacted by reclassification into groups A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3626 . . . {Gas bubble detectors}

WARNING

Group A61M 1/3626 is impacted by reclassification into groups A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3627 . . . {Degassing devices; Buffer reservoirs; Drip chambers; Blood filters}

WARNING

Group A61M 1/3627 is impacted by reclassification into groups A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3629 {degassing by changing pump speed, e.g. during priming}

WARNING

Group <u>A61M 1/3629</u> is impacted by reclassification into groups <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/363 {Degassing by using vibrations}

WARNING

Group A61M 1/363 is impacted by reclassification into groups A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3632 {Combined venous-cardiotomy reservoirs}

WARNING

Group <u>A61M 1/3632</u> is impacted by reclassification into groups <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search. 1/3633 {Blood component filters, e.g. leukocyte filters}

WARNING

Group A61M 1/3633 is impacted by reclassification into groups A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3635 {Constructional details}

WARNING

Group A61M 1/3635 is impacted by reclassification into groups A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3636 {having a flexible housing}

WARNING

Group <u>A61M 1/3636</u> is impacted by reclassification into groups <u>A61M 1/3622</u>, <u>A61M 1/36222</u> and <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3638 { with a vapour trap}

WARNING

Group <u>A61M 1/3638</u> is impacted by reclassification into groups <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3639 • • • {Blood pressure control, pressure transducers specially adapted therefor}

WARNING

Group A61M 1/3639 is impacted by reclassification into groups A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3641 {Pressure isolators}

WARNING

Group <u>A61M 1/3641</u> is impacted by reclassification into groups <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3643 • • {Priming, rinsing before or after use} 1/3652 • • • • { using gas, e.g. air } WARNING WARNING Group A61M 1/3643 is impacted Group A61M 1/3652 is impacted by reclassification into groups by reclassification into groups A61M 1/3622 - A61M 1/3623. A61M 1/3622 - A61M 1/3623. All groups listed in this Warning should be All groups listed in this Warning should considered in order to perform a complete be considered in order to perform a search. complete search. 1/3644 • • • {Mode of operation} 1/3653 . . . {Interfaces between patient blood circulation and extra-corporal blood circuit} **WARNING** WARNING Group A61M 1/3644 is impacted by reclassification into groups Group A61M 1/3653 is impacted A61M 1/3622 - A61M 1/3623. by reclassification into groups A61M 1/3622 - A61M 1/3623. All groups listed in this Warning should be considered in order to perform a All groups listed in this Warning should be complete search. considered in order to perform a complete search. • • • • Expelling the residual body fluid after 1/3646 • • • {Arterio-venous shunts or fistulae} use, e.g. back to the body} 1/3655 WARNING WARNING Group A61M 1/3646 is impacted Group A61M 1/3655 is impacted by reclassification into groups by reclassification into groups A61M 1/3622 - A61M 1/3623. A61M 1/3622 - A61M 1/3623. All groups listed in this Warning should All groups listed in this Warning should be considered in order to perform a be considered in order to perform a complete search. complete search. 1/3647 • • • • { with recirculation of the priming 1/3656 • • • • {Monitoring patency or flow at connection solution } sites; Detecting disconnections} **WARNING WARNING** Group A61M 1/3647 is impacted Group A61M 1/3656 is impacted by reclassification into groups by reclassification into groups A61M 1/3622 - A61M 1/3623. A61M 1/3622 - A61M 1/3623. All groups listed in this Warning should All groups listed in this Warning should be considered in order to perform a be considered in order to perform a complete search. complete search. • • • • { using dialysate as priming or rinsing 1/3649 1/3658 {Indicating the amount of purified blood recirculating in the fistula or shunt} liquid} **WARNING WARNING** Group A61M 1/3649 is impacted Group A61M 1/3658 is impacted by reclassification into groups by reclassification into groups A61M 1/3622 - A61M 1/3623. A61M 1/3622 - A61M 1/3623. All groups listed in this Warning should All groups listed in this Warning should be considered in order to perform a be considered in order to perform a complete search. complete search. 1/365 {through membranes, e.g. by inverted 1/3659 . . . {Cannulae pertaining to extracorporeal trans-membrane pressure [TMP]} circulation} **WARNING WARNING** Group A61M 1/365 is impacted Group A61M 1/3659 is impacted by reclassification into groups by reclassification into groups A61M 1/3622 - A61M 1/3623. A61M 1/3622 - A61M 1/3623. All groups listed in this Warning should All groups listed in this Warning should be considered in order to perform a be considered in order to perform a

CPC - 2024.01

complete search.

complete search.

1/3661 {for haemodialysis}

WARNING

Group <u>A61M 1/3661</u> is impacted by reclassification into groups <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3663 . . . {Flow rate transducers; Flow integrators}

WARNING

Group <u>A61M 1/3663</u> is impacted by reclassification into groups A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3664 . . . {for preparing cardioplegia solutions}

WARNING

Group A61M 1/3664 is impacted by reclassification into groups A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3666 . . . {Cardiac or cardiopulmonary bypass, e.g. heart-lung machines}

WARNING

Group A61M 1/3666 is impacted by reclassification into groups A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3667 . . . { with assisted venous return}

WARNING

Group <u>A61M 1/3667</u> is impacted by reclassification into groups <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3669 . . . {Electrical impedance measurement of body fluids; transducers specially adapted therefor}

WARNING

Group <u>A61M 1/3669</u> is impacted by reclassification into groups <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/367 . . . {Circuit parts not covered by the preceding subgroups of group A61M 1/3621}

WARNING

Group <u>A61M 1/367</u> is impacted by reclassification into groups <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3672 . . {Means preventing coagulation}

WARNING

Group A61M 1/3672 is impacted by reclassification into groups A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3673 . . . {Anticoagulant coating, e.g. Heparin coating}

WARNING

Group A61M 1/3673 is impacted by reclassification into groups A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3675 . . . {Deactivation}

WARNING

Group <u>A61M 1/3675</u> is impacted by reclassification into groups <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3676 • • • {by interposing a liquid layer between blood and air}

WARNING

Group <u>A61M 1/3676</u> is impacted by reclassification into groups A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3678 . . {Separation of cells using wave pressure; Manipulation of individual corpuscles}

WARNING

Group <u>A61M 1/3678</u> is impacted by reclassification into groups <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3679 . . {by absorption (A61M 1/3675 takes precedence)}

WARNING

Group <u>A61M 1/3679</u> is impacted by reclassification into groups <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3681 . . {by irradiation}

WARNING

Group <u>A61M 1/3681</u> is impacted by reclassification into groups A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3683 . . . {using photoactive agents}

WARNING

Group A61M 1/3683 is impacted by reclassification into groups A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3686 {by removing photoactive agents after irradiation}

WARNING

Group A61M 1/3686 is impacted by reclassification into groups A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3687 • {Chemical treatment (<u>A61M 1/3675</u> takes precedence)}

WARNING

Group <u>A61M 1/3687</u> is impacted by reclassification into groups A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3689 . . . {by biological cells}

WARNING

Group <u>A61M 1/3689</u> is impacted by reclassification into groups <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/369 . . {Temperature treatment}

WARNING

Group <u>A61M 1/369</u> is impacted by reclassification into groups <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3692 • • {Washing or rinsing blood or blood constituents}

WARNING

Group A61M 1/3692 is impacted by reclassification into groups A61M 1/3622, A61M 1/362223, A61M 1/362227, A61M 1/362223, A61M 1/36224, A61M 1/36224, A61M 1/36225, A61M 1/36226, A61M 1/362261, A61M 1/362262, A61M 1/362263, A61M 1/362264, A61M 1/362265, A61M 1/362266 and A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3693 • • {using separation based on different densities of components, e.g. centrifuging}

WARNING

Group A61M 1/3693 is impacted by reclassification into groups A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3695 . . { with sedimentation by gravity}

WARNING

Group <u>A61M 1/3695</u> is impacted by reclassification into groups <u>A61M 1/3622</u> - <u>A61M 1/3623</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3696 • • • {with means for adding or withdrawing liquid substances during the centrifugation, e.g. continuous centrifugation}

WARNING

Group <u>A61M 1/3696</u> is impacted by reclassification into groups A61M 1/3622 - A61M 1/3623.

All groups listed in this Warning should be considered in order to perform a complete search.

1/3698	• • • {Expressing processed fluid out from the	1/62	• • {Containers comprising a bag in a rigid low-
	turning rotor using another fluid compressing		pressure chamber, with suction applied to the
	the treatment chamber; Variable volume		outside surface of the bag (liners A61M 1/604)}
	rotors}	1/63	• • { with means for emptying the suction container,
	WARNING		e.g. by interrupting suction}
		1/631	• • • {Emptying the suction container without
	Group A61M 1/3698 is impacted		interrupting suction}
	by reclassification into groups	1/64	 {Containers with integrated suction means
	<u>A61M 1/3622</u> - <u>A61M 1/3623</u> .		(containers not adapted for subjection to vacuum
	All groups listed in this Warning should be		<u>A61M 1/69</u>)}
	considered in order to perform a complete	1/65	• • {the suction means being electrically actuated}
	search.	1/66	• • {Pre-evacuated rigid containers, e.g. Redon
1/38	Removing constituents from donor blood and		bottles}
1/30	{storing or} returning remainder to body {, e.g.	1/67	• • {Containers incorporating a piston-type member
	for transfusion}		to create suction, e.g. syringes (cupping glasses
	,		A61M 1/08; with a flexible member creating
	WARNING		suction <u>A61M 1/68</u>)}
	Group A61M 1/38 is impacted	1/68	• • {Containers incorporating a flexible member
	by reclassification into groups		creating suction}
	A61M 1/3622 - A61M 1/3623.	1/682	• • {bulb-type, e.g. nasal mucus aspirators}
	All groups listed in this Warning should be	1/684	• • {bellows-type}
	considered in order to perform a complete	1/69	• {Drainage containers not being adapted for
	search.		subjection to vacuum, e.g. bags (devices worn by
			the patient for reception of urine $\underline{A61F5/44}$)
1/382	• • • {Optimisation of blood component yield}	1/70	• {Gravity drainage systems (drainage containers
	WARNING		not being adapted for subjection to vacuum
			<u>A61M 1/69</u>)}
	Group A61M 1/382 is impacted	1/71	• {Suction drainage systems (containers therefor
	by reclassification into groups		A61M 1/60, A61M 1/64; negative pressure wound
	<u>A61M 1/3622</u> - <u>A61M 1/3623</u> .		therapy systems A61M 1/90)}
	All groups listed in this Warning should be	1/72	• • {Cassettes forming partially or totally the fluid
	considered in order to perform a complete		circuit}
	search.	1/73	• • {comprising sensors or indicators for physical
1/385	Itaking into account of the nations		values}
1/363	{taking into account of the patient characteristics}	1/732	• • {Visual indicating means for vacuum pressure}
	characteristics;	1/734	• • {Visual indicating means for flow}
	<u>WARNING</u>	1/74	• • {Suction control (underwater drainage
	Group A61M 1/385 is impacted		A61M 1/61)}
	by reclassification into groups	1/741	• • { with means for varying suction manually }
	A61M 1/3622 - A61M 1/3623.	1/7411	• • • {by changing the size of a vent (in
	All groups listed in this Warning should		combination with changing the cross-section
	be considered in order to perform a		of the line A61M 1/7413)}
	complete search.	1/7413	• • • {by changing the cross-section of the line}
	complete season	1/7415	• • • • {by deformation of the fluid passage}
1/387	• • • { taking into account of the needs or	1/742	• • • {by changing the size of a vent (A61M 1/7411
	inventory}	177.12	takes precedence)}
	WARNING	1/743	• • • {by changing the cross-section of the line, e.g.
		1, , ¬3	flow regulating valves (A61M 1/7413 takes
	Group A61M 1/387 is impacted		precedence)}
	by reclassification into groups	1/75	• • • {Intermittent or pulsating suction (A61M 1/63,
	<u>A61M 1/3622</u> - <u>A61M 1/3623</u> .	27.70	A61M 1/772 take precedence)}
	All groups listed in this Warning should	1/76	• • {Handpieces (specially for suction-irrigation
	be considered in order to perform a		A61M 1/774, aspiration tips A61M 1/84)}
	complete search.	1/77	• • {Suction-irrigation systems (aspiration tips
1/60	• {Containers for suction drainage, adapted to be	1,,,,	supplying fluids A61M 1/85; specific for negative
1/00	used with an external suction source (containers not		pressure wound therapy A61M 1/92; combined
	adapted for subjection to vacuum A61M 1/69)}		with tracheal tubes $\underline{A61M 16/0463}$ }
1/602	Mechanical means for preventing flexible	1/772	• • • {operating alternately}
1/002	containers from collapsing when vacuum is	1/774	{Handpieces specially adapted for providing
	applied inside, e.g. stents}	2///	suction as well as irrigation, either
1/604	Bag or liner in a rigid container, with suction • {Bag or liner in a rigid container, with suction}		simultaneously or independently}
1/004	applied to both	1/777	• • • {Determination of loss or gain of body fluids
1/61	• • {Two- or three-bottle systems for underwater	2,,,,,	due to suction-irrigation, e.g. during surgery}
1/01	drainage, e.g. for chest cavity drainage}		5 , 6 3))
	and the second s		

1/78	 • {Means for preventing overflow or contamination of the pumping systems (combined with drainage 	1/917	• • { specially adapted for covering whole body parts}
	containers A61M 1/60)}	1/918	• • • {for multiple suction locations}
1/782	• • • {using valves with freely moving parts, e.g.	1/92	• • {with liquid supply means}
1,,02	float valves}	1/94	. { with right supply means}
1/784	• • • {by filtering, sterilising or disinfecting the		
1//04	exhaust air, e.g. swellable filter valves}	1/95	• • {with sensors for exudate composition}
1/785	• • • {by heat}	1/96	• • {Suction control thereof}
		1/962	• • • {having pumping means on the suction site,
1/79	• • {Filters for solid matter (specially adapted for dental use <u>A61C 17/065</u>)}		e.g. miniature pump on dressing or dressing capable of exerting suction}
1/80	• {Suction pumps (<u>A61M 1/64</u> , <u>A61M 1/71</u> ,	1/964	• • {having venting means on or near the dressing}
	A61M 60/00 take precedence)}	1/966	• • • {having a pressure sensor on or near the
1/802	• • {by vacuum created above a liquid flowing from		dressing}
	a closed container}	1/98	• • {Containers specifically adapted for negative
1/804	• {using Laval or Venturi jet pumps}		pressure wound therapy}
1/81	• • {Piston pumps, e.g. syringes}	1/982	• • { with means for detecting level of collected
1/815	• • • {the barrel serving as aspiration container, e.g.		exudate}
	in a breast pump}	1/984	• • · {portable on the body}
1/82	• • {Membrane pumps, e.g. bulbs}	1/985	• • • (perturbed in the cody) • • • • (the dressing itself forming the collection)
1/83	• {Tube strippers, i.e. for clearing the contents of the	1/765	container}
1/03	tubes}		container j
1/84	• {Drainage tubes; Aspiration tips (for negative	Syringes: Irr	rigators; Baths for subaquatic intestinal cleaning
1/04	pressure wound therapy A61M 1/90; for surgical		tus for introducing medicines into the body
	cutting instruments A61B 17/32)}		- A61M 37/00)
1/842	• • {rotating (continuously rotating surgical cutting		
1/042	instruments A61B 17/32002)}	3/00	Medical syringes, e.g. enemata; Irrigators
1/05	• • {with gas or fluid supply means, e.g. for		(A61M 5/00 takes precedence; pistons A61M 5/315)
1/85	supplying rinsing fluids or anticoagulants (for	3/005	• {comprising means for injection of two or more
	negative pressure wound therapy A61M 1/92,		media, e.g. by mixing}
	A61M 1/94; combined with tracheal tubes	3/02	Enemata; Irrigators
	A61M 16/0463; dental instruments with	3/0201	• • {Cassettes therefor}
	combined rinsing and aspirating A61C 17/0208)	3/0202	• • {with electronic control means or interfaces}
1/06	• • {Connectors between drainage tube and	3/0204	• • {Physical characteristics of the irrigation fluid,
1/86		3/0204	e.g. conductivity or turbidity}
	handpiece, e.g. drainage tubes detachable from	3/0208	{before use}
1 /07	handpiece}	3/0212	{after use}
1/87	• • {Details of the aspiration tip, not otherwise		
1 /00	provided for}	3/0216	· · · {Pressure}
1/88	• {Draining devices having means for processing	3/022	• • {Volume; Flow rate}
	the drained fluid, e.g. an absorber (for liposuction	3/0225	• • {Devices on which the patient can sit, e.g.
1 /002	<u>A61M 1/892</u>)}		mounted on a toilet bowl (combined with bidets
1/882	• • {Draining devices provided with means for		A61M 3/06); Devices containing liquid pumped
	releasing antimicrobial or gelation agents in the		by the patient's weight}
	drained fluid}	3/0229	• • {Devices operating in a closed circuit, i.e.
1/884	• • {Draining devices provided with means for		recycling the irrigating fluid}
	filtering out the harmless water content before	3/0233	• • {characterised by liquid supply means, e.g. from
	discarding the drainage container}	3/0233	pressurised reservoirs}
1/89	discarding the drainage container} • {Suction aspects of liposuction (surgical cutting	3/0233 3/0237	pressurised reservoirs}• {the pressure being generated in the reservoir,
	discarding the drainage container} • {Suction aspects of liposuction (surgical cutting instruments <u>A61B 17/32</u>)}		pressurised reservoirs}
1/89 1/892	discarding the drainage container} • {Suction aspects of liposuction (surgical cutting instruments A61B 17/32)} • {with treatment of the collected fat}		pressurised reservoirs}• {the pressure being generated in the reservoir,
	discarding the drainage container} • {Suction aspects of liposuction (surgical cutting instruments <u>A61B 17/32</u>)}	3/0237	pressurised reservoirs}• { the pressure being generated in the reservoir, e.g. by gas generating tablets}
1/892	discarding the drainage container} • {Suction aspects of liposuction (surgical cutting instruments A61B 17/32)} • {with treatment of the collected fat}	3/0237 3/0241	 pressurised reservoirs} • { the pressure being generated in the reservoir, e.g. by gas generating tablets} • { the liquid being supplied by gravity}
1/892	discarding the drainage container} • {Suction aspects of liposuction (surgical cutting instruments A61B 17/32)} • {with treatment of the collected fat} • • {with extraction of specific components, e.g. of	3/0237 3/0241	 pressurised reservoirs} • {the pressure being generated in the reservoir, e.g. by gas generating tablets} • {the liquid being supplied by gravity} • {Containers therefor, e.g. with heating means}
1/892 1/893	discarding the drainage container} • {Suction aspects of liposuction (surgical cutting instruments A61B 17/32)} • • {with treatment of the collected fat} • • {with extraction of specific components, e.g. of stem cells}	3/0237 3/0241 3/0245	 pressurised reservoirs} • { the pressure being generated in the reservoir, e.g. by gas generating tablets} • { the liquid being supplied by gravity} • { Containers therefor, e.g. with heating means or with storage means for cannula}
1/892 1/893 1/895	discarding the drainage container} • {Suction aspects of liposuction (surgical cutting instruments A61B 17/32)} • {with treatment of the collected fat} • • {with extraction of specific components, e.g. of stem cells} • • {with means for reinjection of collected fat}	3/0237 3/0241 3/0245	 pressurised reservoirs} • { the pressure being generated in the reservoir, e.g. by gas generating tablets} • { the liquid being supplied by gravity} • { Containers therefor, e.g. with heating means or with storage means for cannula} • { supplied directly from the pressurised water
1/892 1/893 1/895	discarding the drainage container} • {Suction aspects of liposuction (surgical cutting instruments A61B 17/32)} • • {with treatment of the collected fat} • • • {with extraction of specific components, e.g. of stem cells} • • {with means for reinjection of collected fat} • {Negative pressure wound therapy devices, i.e.	3/0237 3/0241 3/0245	 pressurised reservoirs} • { the pressure being generated in the reservoir, e.g. by gas generating tablets} • { the liquid being supplied by gravity} • { Containers therefor, e.g. with heating means or with storage means for cannula} • { supplied directly from the pressurised water source, e.g. with medicament supply (combined)
1/892 1/893 1/895	discarding the drainage container} • {Suction aspects of liposuction (surgical cutting instruments A61B 17/32)} • {with treatment of the collected fat} • • {with extraction of specific components, e.g. of stem cells} • • {with means for reinjection of collected fat} • {Negative pressure wound therapy devices, i.e. devices for applying suction to a wound to promote healing, e.g. including a vacuum dressing}	3/0237 3/0241 3/0245 3/025	 pressurised reservoirs} • { the pressure being generated in the reservoir, e.g. by gas generating tablets} • { the liquid being supplied by gravity} • { Containers therefor, e.g. with heating means or with storage means for cannula} • { supplied directly from the pressurised water source, e.g. with medicament supply (combined with bidets A61M 3/06)}
1/892 1/893 1/895 1/90	discarding the drainage container} • {Suction aspects of liposuction (surgical cutting instruments A61B 17/32)} • {with treatment of the collected fat} • • {with extraction of specific components, e.g. of stem cells} • • {with means for reinjection of collected fat} • {Negative pressure wound therapy devices, i.e. devices for applying suction to a wound to promote healing, e.g. including a vacuum dressing} • • {Suction aspects of the dressing}	3/0237 3/0241 3/0245 3/025	 pressurised reservoirs} • {the pressure being generated in the reservoir, e.g. by gas generating tablets} • {the liquid being supplied by gravity} • {Containers therefor, e.g. with heating means or with storage means for cannula} • {supplied directly from the pressurised water source, e.g. with medicament supply (combined with bidets A61M 3/06)} • {the liquid being pumped (by the patient's weight A61M 3/0225)}
1/892 1/893 1/895 1/90	discarding the drainage container} • {Suction aspects of liposuction (surgical cutting instruments A61B 17/32)} • {with treatment of the collected fat} • • {with extraction of specific components, e.g. of stem cells} • • {with means for reinjection of collected fat} • {Negative pressure wound therapy devices, i.e. devices for applying suction to a wound to promote healing, e.g. including a vacuum dressing}	3/0237 3/0241 3/0245 3/025 3/0254 3/0258	 pressurised reservoirs} • {the pressure being generated in the reservoir, e.g. by gas generating tablets} • {the liquid being supplied by gravity} • {Containers therefor, e.g. with heating means or with storage means for cannula} • {supplied directly from the pressurised water source, e.g. with medicament supply (combined with bidets A61M 3/06)} • {the liquid being pumped (by the patient's weight A61M 3/0225)} • {by means of electric pumps}
1/892 1/893 1/895 1/90 1/91 1/912	discarding the drainage container} • {Suction aspects of liposuction (surgical cutting instruments A61B 17/32)} • {with treatment of the collected fat} • • {with extraction of specific components, e.g. of stem cells} • • {with means for reinjection of collected fat} • {Negative pressure wound therapy devices, i.e. devices for applying suction to a wound to promote healing, e.g. including a vacuum dressing} • • {Suction aspects of the dressing} • • {Connectors between dressing and drainage tube}	3/0237 3/0241 3/0245 3/025 3/0254 3/0258 3/0262	 pressurised reservoirs} • {the pressure being generated in the reservoir, e.g. by gas generating tablets} • {the liquid being supplied by gravity} • {Containers therefor, e.g. with heating means or with storage means for cannula} • {supplied directly from the pressurised water source, e.g. with medicament supply (combined with bidets A61M 3/06)} • {the liquid being pumped (by the patient's weight A61M 3/0225)} • {by means of electric pumps} • {manually, e.g. by squeezing a bulb}
1/892 1/893 1/895 1/90	discarding the drainage container} { Suction aspects of liposuction (surgical cutting instruments A61B 17/32)} { with treatment of the collected fat} { with extraction of specific components, e.g. of stem cells} { with means for reinjection of collected fat} { Negative pressure wound therapy devices, i.e. devices for applying suction to a wound to promote healing, e.g. including a vacuum dressing} { Suction aspects of the dressing} { Connectors between dressing and drainage tube} { having a bridging element for transferring	3/0237 3/0241 3/0245 3/025 3/0254 3/0258	 pressurised reservoirs} • { the pressure being generated in the reservoir, e.g. by gas generating tablets} • { the liquid being supplied by gravity} • { Containers therefor, e.g. with heating means or with storage means for cannula} • { supplied directly from the pressurised water source, e.g. with medicament supply (combined with bidets A61M 3/06)} • { the liquid being pumped (by the patient's weight A61M 3/0225)} • • { by means of electric pumps} • • { manually, e.g. by squeezing a bulb} • { Stands, holders or storage means for irrigation}
1/892 1/893 1/895 1/90 1/91 1/912	discarding the drainage container} { Suction aspects of liposuction (surgical cutting instruments A61B 17/32)} { with treatment of the collected fat} { with extraction of specific components, e.g. of stem cells} { with means for reinjection of collected fat} { Negative pressure wound therapy devices, i.e. devices for applying suction to a wound to promote healing, e.g. including a vacuum dressing} { Suction aspects of the dressing} { Connectors between dressing and drainage tube} • { having a bridging element for transferring the reduced pressure from the connector to	3/0237 3/0241 3/0245 3/025 3/0254 3/0258 3/0262	 pressurised reservoirs} • { the pressure being generated in the reservoir, e.g. by gas generating tablets} • { the liquid being supplied by gravity} • { Containers therefor, e.g. with heating means or with storage means for cannula} • { supplied directly from the pressurised water source, e.g. with medicament supply (combined with bidets A61M 3/06)} • { the liquid being pumped (by the patient's weight A61M 3/0225)} • • { by means of electric pumps} • • { manually, e.g. by squeezing a bulb} • { Stands, holders or storage means for irrigation devices (containers with storage means for
1/892 1/893 1/895 1/90 1/91 1/912 1/913	discarding the drainage container} { Suction aspects of liposuction (surgical cutting instruments A61B 17/32)} { with treatment of the collected fat} { with extraction of specific components, e.g. of stem cells} { with means for reinjection of collected fat} { Negative pressure wound therapy devices, i.e. devices for applying suction to a wound to promote healing, e.g. including a vacuum dressing} { Suction aspects of the dressing} { Connectors between dressing and drainage tube} • Abaving a bridging element for transferring the reduced pressure from the connector to the dressing}	3/0237 3/0241 3/0245 3/025 3/0254 3/0258 3/0262 3/0266	pressurised reservoirs} • • {the pressure being generated in the reservoir, e.g. by gas generating tablets} • • {the liquid being supplied by gravity} • • {Containers therefor, e.g. with heating means or with storage means for cannula} • • {supplied directly from the pressurised water source, e.g. with medicament supply (combined with bidets A61M 3/06)} • • {the liquid being pumped (by the patient's weight A61M 3/0225)} • • • {by means of electric pumps} • • • {manually, e.g. by squeezing a bulb} • • {Stands, holders or storage means for irrigation devices (containers with storage means for cannula A61M 3/0245)}
1/892 1/893 1/895 1/90 1/91 1/912	discarding the drainage container} {Suction aspects of liposuction (surgical cutting instruments A61B 17/32)} {with treatment of the collected fat} {with extraction of specific components, e.g. of stem cells} {with means for reinjection of collected fat} {Negative pressure wound therapy devices, i.e. devices for applying suction to a wound to promote healing, e.g. including a vacuum dressing} {Suction aspects of the dressing} {Connectors between dressing and drainage tube} {having a bridging element for transferring the reduced pressure from the connector to the dressing} {Constructional details of the pressure	3/0237 3/0241 3/0245 3/025 3/0254 3/0258 3/0262	 pressurised reservoirs} • { the pressure being generated in the reservoir, e.g. by gas generating tablets} • { the liquid being supplied by gravity} • { Containers therefor, e.g. with heating means or with storage means for cannula} • { supplied directly from the pressurised water source, e.g. with medicament supply (combined with bidets A61M 3/06)} • { the liquid being pumped (by the patient's weight A61M 3/0225)} • • { by means of electric pumps} • • • { Stands, holders or storage means for irrigation devices (containers with storage means for cannula A61M 3/0245)} • { Devices for holding the cannula in position, e.g.
1/892 1/893 1/895 1/90 1/91 1/912 1/913	discarding the drainage container} { Suction aspects of liposuction (surgical cutting instruments A61B 17/32)} { with treatment of the collected fat} { with extraction of specific components, e.g. of stem cells} { with means for reinjection of collected fat} { Negative pressure wound therapy devices, i.e. devices for applying suction to a wound to promote healing, e.g. including a vacuum dressing} { Suction aspects of the dressing} { Connectors between dressing and drainage tube} • Abaving a bridging element for transferring the reduced pressure from the connector to the dressing}	3/0237 3/0241 3/0245 3/025 3/0254 3/0258 3/0262 3/0266	pressurised reservoirs} • • {the pressure being generated in the reservoir, e.g. by gas generating tablets} • • {the liquid being supplied by gravity} • • {Containers therefor, e.g. with heating means or with storage means for cannula} • • {supplied directly from the pressurised water source, e.g. with medicament supply (combined with bidets A61M 3/06)} • • {the liquid being pumped (by the patient's weight A61M 3/0225)} • • • {by means of electric pumps} • • • {manually, e.g. by squeezing a bulb} • • {Stands, holders or storage means for irrigation devices (containers with storage means for cannula A61M 3/0245)}

3/0279	• • {Cannula; Nozzles; Tips; their connection means}	5/1413 {Modular systems comprising is	nterconnecting
3/0283	• • { with at least two inner passageways, a first	elements}	
	one for irrigating and a second for evacuating	5/1414 • • {Hanging-up devices}	
	(suction-irrigation systems <u>A61M 1/77</u> ;	5/1415 {Stands, brackets or the like f	for supporting
	aspiration tips with fluid supply means	infusion accessories}	
	A61M 1/85; for negative pressure wound	2005/1416 {placed on the body of the	
3/0287	therapy A61M 1/92)} {with an external liquid collector}	5/1417 {Holders or handles for hange	ing up infusion
3/0287	 {with an external liquid collector} {with dilating fingers}	containers}	
3/0291	• • { with inflatable balloon }	5/1418 {Clips, separators or the like	for supporting
3/02/3	combined with bidets	tubes or leads } 5/142 • Pressure infusion, e.g. using put	mne
			трз
5/00	Devices for bringing media into the body in a	<u>NOTE</u>	
	subcutaneous, intra-vascular or intramuscular way; Accessories therefor, e.g. filling or cleaning	In this group, the following e	expression is used
	devices, arm-rests ({vaccination appliances for	with the meaning indicated:	
	veterinary use A61D 1/025}; tube connectors, tube	"pressure infusion" including a standard and a second a second and a second an	
	couplings, valves or branch units specially adapted	injection working at a co	ntrolled rate
	for medical use A61M 39/00; containers specially	2005/14204 { with gas-producing electroch	hemical cell}
	adapted for medical or pharmaceutical purposes	2005/14208 { with a programmable infusion	on control system,
	A61J 1/00; {combinations of vial and syringe for	characterised by the infusion	
	mixing or transferring their contents A61J 1/20;	5/14212 {Pumping with an aspiration	and an expulsion
	holders for containers for collecting, storing or administering blood or medical fluids A61J 1/16})	action}	
5/001	Apparatus specially adapted for cleaning or	5/14216 {Reciprocating piston type	
3/001	sterilising syringes or needles	5/1422 {with double acting or m	iultiple pistons}
5/002	• {Packages specially adapted therefor, e.g. for	5/14224 {Diaphragm type}	
	syringes or needles, kits for diabetics (needle	5/14228 { with linear peristaltic action at least three pressurising n	
	protection, e.g. caps, A61M 5/3202; for sharps	helical member}	nembers of a
	<u>A61B 50/3001</u>)}		
5/003	• • {Kits for diabetics}	NOTE	
2005/004	• • {Magazines with multiple needles directly	Pumps having tubular fl	exible working
	inserted into an injection or infusion device, e.g.	members <u>F04B 43/08</u>	
2005/005	revolver-like magazines } {Magazines with multiple ampoules directly	5/14232 {Roller pumps}	
2003/003	inserted into an injection or infusion device, e.g.	NOTE	
	revolver-like magazines containing ampoules		
	with or without needles}	Pumps having rollers fo	r peristaltic action
2005/006	• {for gases, e.g. CO_2 }	<u>F04B 43/12</u>	
5/007	• {for contrast media}	5/14236 {Screw, impeller or centrif	ugal type pumps}
5/008	• {Racks for supporting syringes or needles	5/1424 {Manually operated pumps	
	$(\underline{A61M 5/001} \text{ takes precedence})$	5/14244 {adapted to be carried by the	patient, e.g.
5/14	• Infusion devices, e.g. infusing by gravity; Blood	portable on the body}	
2005/1401	infusion; Accessories therefor	$5/14248$ {of the skin patch type}	
	. {Functional features} {Priming}	2005/14252 { with needle insertion m	
	• • • {Flushing or purging}	2005/14256 { with means for preve	nting access to the
	• • • {Keep vein-open rate [KVO], i.e. low flow	needle after use } 2005/1426 { with means for preventions of the content of the conten	ing pages to the
2002/1101	rate}	needle after use	ing access to the
2005/1405	• • {Patient controlled analgesia [PCA]}	2005/14264 { with means for compensar	ting influence
2005/1406	• • • {Minimizing backflow along the delivery	from the environment}	
	catheter track}	2005/14268 { with a reusable and a disp	osable
5/1407	• • {Infusion of two or more substances}	component}	
5/1408	• • • {in parallel, e.g. manifolds, sequencing valves	2005/14272 { for emergency, field or ho	
	(access sites A61M 39/02; tube connectors	contained kits to be carried	•
5/1/00	A61M 39/10)}	5/14276 {specially adapted for impl	
5/1409	 . • {in series, e.g. first substance passing through container holding second substance, 	5/1428 {with manual pumping a	
	e.g. reconstitution systems (needle sets	2005/14284 {with needle insertion m	
	A61M 5/162)}	2005/14288 {Infusion or injection simulated of surgery in general A61B.3	
5/141	• • {with capillaries for restricting fluid flow}	of surgery in general A61B 3 or simulation of use of injecti	
5/1411	{Drip chambers (<u>A61M 5/162</u> , <u>A61M 5/1689</u> ,	devices G09B 23/285)}	on or imasion
	A61M 5/40 take precedence)}		
5/1412	• • {Burettes, measuring cylinders (for laboratory use		
	<u>B01L 3/02</u>)}		

2005/14292	• • • {Computer-based infusion planning or simulation of spatio-temporal infusate distribution}	5/162	• Needle sets, i.e. connections by puncture between reservoir and tube {; Connections between reservoir and tube (in jet-action syringes
2005/14296	• • • {Pharmacokinetic models}		A61M 5/30; connectors for tubes having
5/145	• • using pressurised reservoirs, e.g. pressurised by means of pistons		sealed ends and a needle for piercing them A61M 39/14)}
2005/14506	• • • {mechanically driven, e.g. spring or	2005/1623	• • {Details of air intake}
	clockwork}	5/1626	{Needle protectors therefor (in combination
2005/14513	• • • { with secondary fluid driving or regulating the infusion }		with syringes <u>A61M 5/3202</u> ; protectors for sharps <u>A61B 50/3001</u>)}
5/1452	• • • {pressurised by means of pistons}	5/165	• Filtering accessories, e.g. blood filters, filters
5/14526	• • • • {the piston being actuated by fluid pressure}		for infusion liquids ({A61M 1/14} , A61M 1/34, {A61M 1/3627, A61M 1/3679, A61M 1/3687}
2005/14533	{cam actuated}		take precedence; {needle sets with incorporated
5/1454	• • • • {spring-actuated, e.g. by a clockwork}	2005/1652	air inlet filters A61M 5/162})
5/14546	• • • • {Front-loading type injectors}	2005/1652	• • • {Filter with duct, e.g. filtering element incorporated in a flow line, tube, duct}
2005/14553	• • • • {comprising a pressure jacket}	2005/1655	
5/1456	• • • • { with a replaceable reservoir comprising a	2005/1055	• • • {Filter with fibers, e.g. filtering element in
	piston rod to be moved into the reservoir,	2005/1655	form of hollow fibers}
	e.g. the piston rod is part of the removable reservoir}	2005/1657	sheet type infusion filter}
5/14566	• • • • { with a replaceable reservoir for receiving	5/168	Means for controlling media flow to the body or
	a piston rod of the pump}		for metering media to the body, e.g. drip meters, counters {; Monitoring media flow to the body
2005/14573	• • • • { with a replaceable reservoir for quick		(flow control in general G05D 7/00)}
	connection/disconnection with a driving	5/16904	
	system}		• • {Flow controllers}
5/1458	• • • • {Means for capture of the plunger flange}	5/16809	• • • • {by repeated filling and emptying of an
5/14586	• • • {pressurised by means of a flexible		intermediate volume (pressure infusion using
	diaphragm}	5/1/012	positive displacement pumps A61M 5/142)}
5/14593	{the diaphragm being actuated by fluid	5/16813	{by controlling the degree of opening of the
	pressure}	5/1.c010	flow line}
5/148	• • • flexible, {e.g. independent		• • • {by changing the height of the reservoir}
	bags}(A61M 5/155 takes precedence)	5/16822	• • • {by controlling air intake into infusion
5/1483	• • • • {using flexible bags externally pressurised		reservoir (needle sets with air inlet
	by fluid pressure}	5/1/005	<u>A61M 5/162</u>)}
5/1486	• • • • • { the bags being substantially completely surrounded by fluid}	5/16827	 {controlling delivery of multiple fluids, e.g. sequencing, mixing or via separate flow- paths (infusion of multiple fluids without
5/152	pressurised by contraction of elastic		using a controller <u>A61M 5/1407</u>)}
	reservoirs {(containers for dispensing	5/16831	• • • {Monitoring, detecting, signalling or
	contents by contraction of an elastic	3/10031	eliminating infusion flow anomalies (low-
	bag provided therein, in general		level float-valves causing cut-off A61M 5/40;
	<u>B65D 83/0061</u>)}		indicating or recording presence, absence or
5/155	• • • pressurised by gas {introduced into the		direction of flow in general G01P 13/0066)
	reservoir}	5/16836	
5/158	. Needles {for infusions; Accessories therefor, e.g.	3/10030	site, e.g. for detecting infiltration (detecting
	for inserting infusion needles, or for holding them		tissue temperature for diagnostic purposes
	on the body}		A61M 39/0247)}
2005/1581	• • {Right-angle needle-type devices}	5/1684	• • • {by detecting the amount of infusate
5/1582	• • {Double lumen needles}	3/1001	remaining, e.g. signalling end of infusion}
2005/1583	• • {Needle extractors}	5/16845	• • • • {by weight}
2005/1585	• • {Needle inserters}	5/1685	{by detection of position of a floating
2005/1586	• • • {Holding accessories for holding infusion	3/1003	member}
	needles on the body (holding devices for	5/1685/	• • • • {by monitoring line pressure}
	catheters <u>A61M 25/02</u>)}		{Evaluation of pressure response, e.g. to
2005/1587	• • { suitable for being connected to an infusion	5/10059	an applied pulse}
	line after insertion into a patient}	2005/16862	{Occlusion detection}
2005/1588			{Occusion detection} {Downstream occlusion sensors}
	or visual inspection, e.g. for patency check,		
	avoiding extravasation}		{Upstream occlusion sensors}
		5/168//	• • {Adjusting flow; Devices for setting a flow
		5/1/001	rate}
		3/10881	• • • • {Regulating valves (on-off valves, e.g. clamps A61M 39/28)}
		5/1/00/	
		3/10880	• • • {for measuring fluid flow rate, i.e. flowmeters}

5/1689 .	• • {Drip counters}	2005/2403		{Ampoule inserted into the ampoule holder}
	• • • {birp counters} • • • {by monitoring weight change, e.g. of			• {from the rear}
3/100/3	infusion container}	2005/2411		• {from the front}
5/172 .	• electrical or electronic {(A61M 5/16804,			• {from the side}
	<u>A61M 5/16831</u> take precedence)}			{comprising means for damping shocks on
5/1723 .	• • • {using feedback of body parameters, e.g.			ampoule}
	blood-sugar, pressure (measurement of body	5/2422		{using emptying means to expel or eject media,
	parameters <u>A61B 5/00</u>)}			e.g. pistons, deformation of the ampoule, or
2005/1726 .	• • • { the body parameters being measured at,			telescoping of the ampoule}
5/178 .	or proximate to, the infusion site} Syringes	5/2425		• {by compression of deformable ampoule or carpule wall}
5/1782 .	• {Devices aiding filling of syringes in situ (combination of a vial and a syringe for	5/2429		• {by telescoping of ampoules or carpules with the syringe body}
	transferring or mixing their contents A61J 1/2096,	2005/2433		{Ampoule fixed to ampoule holder}
	filling of medical containers in general	2005/2437		• {by clamping means}
5/1705	<u>B65B 3/003</u>)}	2005/244		• • {by flexible clip}
5/1785 .	• {comprising radioactive shield means (syringe	2005/2444		• {by thread}
	shields or holders for storage of radioactive sources <u>G21F 5/018</u>)}	5/2448		$\{comprising\ means\ for\ injection\ of\ two\ or\ more$
2005/1787	• {Syringes for sequential delivery of fluids, e.g.			media, e.g. by mixing}
	first medicament and then flushing liquid}	2005/2451		 {preventing delivery before mixing is completed, e.g. by locking mechanisms}
5/19 .	• having more than one chamber {, e.g. including	5/2455		{with sealing means to be broken or opened}
	a manifold coupling two parallelly aligned syringes through separate channels to a common	5/2459		• {upon internal pressure increase, e.g. pierced
	discharge assembly (surgical glue applicators			or burst (<u>A61M 5/2429</u> takes precedence)}
	A61B 17/00491)}	2005/2462		• • {by displacing occluding plugs}
5/20 .	Automatic syringes, e.g. with automatically	5/2466		• {by piercing without internal pressure
	actuated piston rod, with automatic needle			increase (A61M 5/2429 takes precedence)}
	injection, filling automatically (A61M 5/142	2005/247		• • {with fixed or steady piercing means, e.g.
	{, A61M 5/46} take precedence; {hypodermic	2005/2474		piercing under movement of ampoule}
2005/2006	projectiles <u>F42B 12/54</u>}). {Having specific accessories}	2005/2474		• • {with movable piercing means, e.g. ampoule remains fixed or steady}
	• • • {triggering of discharging means by contact	2005/2477		{comprising means to reduce play of ampoule
	of injector with patient body}			within ampoule holder, e.g. springs}
2005/202	• • • {cocking means, e.g. to bias the main drive spring of an injector}	2005/2481		{comprising means for biasing the ampoule out of the ampoule holder}
2005/2026 .	• • {Semi-automatic, e.g. user activated piston is	2005/2485		{Ampoule holder connected to rest of syringe}
	assisted by additional source of energy}			• {via rotation, e.g. threads or bayonet}
5/2033 .	• • {Spring-loaded one-shot injectors with or			• {via snap connection}
	without automatic needle insertion (multishot			• {via pivot}
	dosing syringes <u>A61M 5/31525</u> , needle insertion only <u>A61M 5/3287</u>)}	5/28		yringe ampoules or carpules, i.e. ampoules or urpules provided with a needle
5/204 .	• • {connected to external reservoirs for multiple	5/281		{using emptying means to expel or eject media,
	refilling} • • {Media being expelled from injector by gas	3,201		e.g. pistons, deformation of the ampoule, or telescoping of the ampoule}
3/2040 •	generation, e.g. explosive charge}	5/282		• {by compression of deformable ampoule or
5/2053 .	• • {Media being expelled from injector by	3,202	• • •	carpule wall}
0,200	pressurised fluid or vacuum (for infusion A61M 5/145, A61M 5/155)}	5/283		• {by telescoping of ampoules or carpules with the syringe body}
2005/206	• • {With automatic needle insertion}	5/284		{comprising means for injection of two or more
	• • {comprising means for injection of two or more	3/201	• • •	media, e.g. by mixing}
C/2000 (media, e.g. by mixing}	5/285		{with sealing means to be broken or opened}
2005/2073	• • {preventing premature release, e.g. by making	5/286		• {upon internal pressure increase, e.g. pierced
	use of a safety lock} • • {Release is possible only when device is}	2005/287		or burst (A61M 5/283 takes precedence)}
2005/208	pushed against the skin, e.g. using a trigger	5/288		• {by displacing occluding plugs}• {by piercing without internal pressure
	which is blocked or inactive when the device			increase (A61M 5/283 takes precedence)}
2005/2007	is not pushed against the skin}	5/30		yringes for injection by jet action, without
	 {having piston damping means, e.g. axially or rotationally acting retarders} 			eedle, e.g. for use with replaceable ampoules or arpules
	• • {including concentration setting means}	5/3007		{with specially designed jet passages at the
5/24 .	. Ampoule syringes, i.e. syringes with needle for			injector's distal end}
	use in combination with replaceable ampoules or			
	carpules, e.g. automatic {(ampoules or carpules A61J 1/06)}			

5/3015	• • • { for injecting a dose of particles in form of powdered drug, e.g. mounted on a rupturable	2005/3142 {Modular constructions, e.g. supplied in separate pieces to be assembled by end-user}
	membrane and accelerated by a gaseous shock wave or supersonic gas flow (cell injection devices C12M 3/006)}	2005/3143 {Damping means for syringe components executing relative movements, e.g. retarders or attenuators slowing down or timing syringe
2005/3022	• • • {Worn on the body, e.g. as patches	mechanisms}
	(pressure infusion of the skin patch type	5/3145 {Filters incorporated in syringes}
5/21	<u>A61M 5/14248</u>)}	5/3146 • • • {Priming, e.g. purging, reducing backlash or
5/31	. Details	clearance}
2005/3101	 . • {Leak prevention means for proximal end of syringes, i.e. syringe end opposite to needle mounting end} 	5/3148 {Means for causing or aiding aspiration or plunger retraction}
2005/3103	{Leak prevention means for distal end of	5/315 • • • Pistons; Piston-rods; Guiding, blocking or restricting the movement of the rod {or piston};
	syringes, i.e. syringe end for mounting a needle}	Appliances on the rod for facilitating dosing {; Dosing mechanisms}
2005/3104	{Caps for syringes without needle}	5/31501 {Means for blocking or restricting
	• • • {Plugs for syringes without needle}	the movement of the rod or piston
2005/3107	• • • {for needles}	(<u>A61M 5/5013</u> takes precedence)}
2005/3109	• • • • (Caps sealing the needle bore by use of, e.g. air-hardening adhesive, elastomer or	5/31505 {Integral with the syringe barrel, i.e. connected to the barrel so as to make up a single complete piece or unit}
2005/311	epoxy resin} {Plugs, i.e. sealing rods or stylets closing	2005/31506 {formed as a single piece, e.g. moulded}
2003/311	the bore of needles}	2005/31508 {provided on the piston-rod}
2005/3112	• • • {Incorporating self-aspirating means, e.g. to	2005/3151 {by friction}
	provide flashback}	5/31511 {Piston or piston-rod constructions, e.g.
2005/3114	• • • {Filling or refilling}	connection of piston with piston-rod
	• • • {spring-assisted}	(A61M 5/5066 takes precedence)
	• • • {Means preventing contamination of the medicament compartment of a syringe}	5/31513 {Piston constructions to improve sealing or sliding}
2005/3118	• • • { via the distal end of a syringe, i.e. syringe	5/31515 {Connection of piston with piston rod}
2005/212	end for mounting a needle cannula}	2005/31516 {reducing dead-space in the syringe barrel
2005/312	{comprising sealing means, e.g. severable caps, to be removed prior to injection by,	after delivery \\ 2005/31518 \cdot \cdot \cdot \text{ {designed to reduce the overall size of }}
	e.g. tearing or twisting}	an injection device, e.g. using flexible
2005/3121	• • • { via the proximal end of a syringe, i.e.	or pivotally connected chain-like rod
	syringe end opposite to needle cannula	members}
	mounting end}	2005/3152 {including gearings to multiply or
2005/3123	• • • {having air entrapping or venting means, e.g.	attenuate the piston displacing force}
2005/2125	purging channels in pistons}	2005/31521 {Pistons with a forward extending skirt at their front end}
2005/3125	 . • {specific display means, e.g. to indicate dose setting} 	2005/31523 {for reducing reflux}
2005/3126	• • • {Specific display means related to dosing}	5/31525 {Dosing (burettes, pipettes <u>B01L 3/02</u>)}
	{Incorporating one-way valves, e.g. pressure-	5/31526 {by means of stepwise axial movements,
	relief or non-return valves}	e.g. ratchet mechanisms or detents}
5/3129	{Syringe barrels (<u>A61M 5/3205</u> and <u>A61M 5/50</u> take precedence)}	5/31528 {by means of rotational movements, e.g. screw-thread mechanisms}
2005/3131		5/3153 • • • • { by single stroke limiting means }
	sliding}	5/31531 (Microsyringes, e.g. having piston bore
2005/3132	• • • • {having flow passages for injection agents at the distal end of the barrel to bypass a sealing	diameter close or equal to needle shaft diameter}
	stopper after its displacement to this end due to internal pressure increase}	5/31533 {Dosing mechanisms, i.e. setting a
5/3134	{characterised by constructional features of	dose (administrating mechanisms A61M 5/31565)}
3/3134	the distal end, i.e. end closest to the tip of the	5/31535 {Means improving security or handling
	needle cannula}	thereof, e.g. blocking means, means
5/3135	• • • {characterised by constructional features of the proximal end}	preventing insufficient dosing, means allowing correction of overset dose}
5/3137	• • • • {Specially designed finger grip means, e.g. for easy manipulation of the syringe rod}	5/31536 {Blocking means to immobilize a selected dose, e.g. to administer equal
2005/3139	• • • • {Finger grips not integrally formed with	doses}
	the syringe barrel, e.g. using adapter with	5/31538 {Permanent blocking, e.g. by medical
2005/314	finger grips} {Flat shaped barrel forms, e.g. credit card	personnel} 2005/3154 {limiting maximum permissible dose}
2003/314	shaped}	2005/3134 \ \ \ \ \ \ \ \ \ \ \ \ \

5/31541	• • • • {Means preventing setting of a dose beyond the amount remaining in the cartridge}	5/31583 {based on rotational translation, i.e. movement of piston rod is caused by relative rotation between the user
5/31543	• • • • • { piston rod reset means, i.e. means for causing or facilitating retraction of piston rod to its starting position during	activated actuator and the piston rod} 5/31585 {performed by axially moving actuator, e.g. an injection button}
	cartridge change } {Setting modes for dosing} {Electrically operated dose setting, e.g.	5/31586 {performed by rotationally moving or pivoted actuator, e.g. an injection lever or handle}
3/31310	input via touch screen or plus/minus buttons}	2005/31588 {electrically driven} 5/3159 {Dose expelling manners}
5/31548	{Mechanically operated dose setting member}	5/31591 {Single dose, i.e. individually set dose administered only once from the same
5/3155	• • • • • {by rotational movement of dose setting member, e.g. during setting or filling of a syringe}	medicament reservoir, e.g. including single stroke limiting means} 5/31593 {Multi-dose, i.e. individually set dose
5/31551	• • • • • • { including axial movement of dose setting member}	repeatedly administered from the same medicament reservoir}
5/31553	• • • • • • • { without axial movement of dose setting member}	5/31595 {Pre-defined multi-dose administration by repeated
5/31555	•••• {by purely axial movement of dose setting member, e.g. during setting or filling of a syringe}	overcoming of means blocking the free advancing movement of piston rod, e.g. by tearing or de-blocking}
5/31556	• • • • • {Accuracy improving means}	5/31596 {comprising means for injection of two or
5/31558	• • • • • • { using scaling up or down transmissions, e.g. gearbox }	more media, e.g. by mixing} 2005/31598 {having multiple telescopically sliding}
5/3156	• • • • • {using volume steps only adjustable in discrete intervals, i.e. individually	coaxial pistons encompassing volumes for components to be mixed}
5/015c1	distinct intervals}	5/32 Needles; Details of needles pertaining to their connection with syringe or hub (infusion
	• • • • • {using freely adjustable volume steps}	needles A61M 5/158); Accessories for bringing
5/31563	{interacting with a displaceable stop member}	the needle into, or holding the needle on, the body {(<u>A61M 5/42</u> , <u>A61M 5/46</u> take
5/31565	• • • • {Administration mechanisms, i.e. constructional features, modes of administering a dose (dosing mechanisms for	precedence; guide needles for catheters A61M 25/065)}; Devices for protection of needles {(apparatus specially adapted for cleaning or sterilising needles A61M 5/001)}
5/31566	setting a dose <u>A61M 5/31533</u>)} {Means improving security or handling	2005/3201 {Coaxially assembled needle cannulas
- 10.1 F = 10	thereof}	placed on top of another, e.g. needles having different diameters}
5/31568	 {Means keeping track of the total dose administered, e.g. since the cartridge was inserted} 	5/3202 {Devices for protection of the needle before use, e.g. caps (A61M 5/50 takes precedence;
5/3157	(Means providing feedback signals	for infusion spikes <u>A61M 5/1626</u> ; protectors for sharps <u>A61B 50/3001</u>)}
5/31571	when administration is completed (A61M 5/20 takes precedence)} {Means preventing accidental}	5/3204 {Needle cap remover, i.e. devices to dislodge protection cover from needle or
3/313/1	administration (for automatic syringes A61M 5/20)}	needle hub, e.g. deshielding devices} 5/3205 {Apparatus for removing or disposing of
5/31573	• • • • • {Accuracy improving means}	used needles or syringes, e.g. containers;
5/31575	• • • • • { using scaling up or down transmissions, e.g. gearbox }	Means for protection against accidental injuries from used needles (for sharps
5/31576		A61B 50/362; disintegrating apparatus in general B02C, e.g. B02C 19/0075,
5/31578	• • • • • {based on axial translation, i.e. components directly operatively	<u>B23H 9/001</u> ; disposal of medical waste in general <u>B09B 3/00</u> ; receptacles for refuse disposal in general <u>B65F 1/00</u>)}
	associated and axially moved with plunger rod}	2005/3206 {Needle or needle hub disconnecting devices forming part of or being attached
5/3158	• • • • • {performed by axially moving actuator operated by user, e.g. an	to the hub or syringe body} 2005/3208 {by application of rotational movement to
5/31581	injection button} {performed by rotationally moving	the needle hub, e.g. by use of electrically driven toothed wheels}
	or pivoting actuator operated by user, e.g. an injection lever or handle}	2005/3209 {comprising heat generating means, e.g. melt chamber}

5/321	• • • • {Means for protection against accidental injuries by used needles}	2005/3235 {triggered by radial deflection of the anchoring parts between needle
2005/3212	• • • • • {Blunting means for the sharp end of the needle}	mount and syringe barrel or needle housing, e.g. spreading of needle
5/3213	{Caps placed axially onto the needle,	mount retaining hooks having slanted surfaces by engagement
	e.g. equipped with finger protection guards (axially-extensible protective	with correspondingly shaped
	sleeves <u>A61M 5/3243</u>)}	surfaces on the piston at the end of an injection stroke
2005/3215 5/3216	{Tools enabling the cap placement} {Caps placed transversally onto the	2005/3236 {Trigger provided at the
3/3210	needle, e.g. pivotally attached to the needle base}	distal end, i.e. syringe end for mounting a needle}
2005/3217	• • • • • • • {Means to impede repositioning of	2005/3238 {Trigger provided at the
	protection cap from needle covering to needle uncovering position, e.g.	proximal end, i.e. syringe end opposite to needle mounting end}
	catch mechanisms}	2005/3239 { triggered by dislodgement of outer
5/3219	{Semi-automatic repositioning of the	part anchoring the needle portion to the inside of the syringe barrel wall,
	cap, i.e. in which the repositioning of the cap to the needle covering	e.g. a ring-shaped portion}
	position requires a deliberate action	2005/3241 {Needle retraction energy is
	by the user to trigger the repositioning of the cap, e.g. manual release of	accumulated inside of a hollow plunger rod }
	spring-biased cap repositioning	2005/3242 {Needle retraction by vacuum}
	means}	5/3243 {being axially-extensible, e.g. protective
5/322	• • • • • {Retractable needles, i.e. disconnected from and withdrawn into the syringe	sleeves coaxially slidable on the syringe barrel (devices for protecting guide
	barrel by the piston (devices for	needles in combination with catheters
	protecting guide needles in combination with catheters <u>A61M 25/0612</u>)}	A61M 25/0612)} 5/3245 {Constructional features thereof,
5/3221	{Constructional features thereof,	e.g. to improve manipulation or
	e.g. to improve manipulation or	functioning}
2005/3223	functioning} {Means impeding or disabling	2005/3246 {being squeezably deformable for locking or unlocking purposes, e.g.
2000/0220	repositioning of used needles at the	with elliptical cross-section}
2005/2224	syringe nozzle}	2005/3247 {Means to impede repositioning of protection sleeve from needle
2005/3224	{Means to disalign the needle tip and syringe nozzle}	covering to needle uncovering
2005/3226	• • • • • • • { with means obstructing or	position}
	blocking the needle mounting opening}	2005/3249
2005/3227	• • • • • • { the needle being retracted laterally	needle protection sleeve}
	outside the syringe barrel, e.g. with separate guideway}	2005/325 {Means obstructing the needle passage at distal end of a needle
2005/3228	{the needle being retracted by	protection sleeve}
	a member protruding laterally	2005/3252 {being extended by a member
	through a slot in the barrel, e.g. double-ended needles}	protruding laterally through a slot in the syringe barrel }
2005/323	(Connection between plunger	2005/3253 {disconnecting the needle hub from
	distal end and needle hub proximal end, e.g. stud protruding from the	the syringe barrel during removal of the sleeve from the syringe barrel}
	plunger}	2005/3254 {Shielding of proximal needles, e.g.
2005/3231	Proximal end of needle captured	for pen needles}
	or embedded inside piston head, e.g. by friction or hooks}	2005/3256 {having folding ring sections} 5/3257 {Semi-automatic sleeve extension,
5/3232	• • • • • • {Semi-automatic needle retraction,	i.e. in which triggering of the sleeve
	i.e. in which triggering of the needle retraction requires a deliberate action	extension requires a deliberate action by the user, e.g. manual release of
	by the user, e.g. manual release of	spring-biased extension means}
5 1000 4	spring-biased retraction means}	2005/3258 {being compressible or compressed
5/3234	{Fully automatic needle retraction, i.e. in which triggering of the needle	along the needle} 5/326 {Fully automatic sleeve extension, i.e.
	does not require a deliberate action by	in which triggering of the sleeve does
	the user}	not require a deliberate action by the user}
		user j

the anchor and syring	by radial deflection of ing parts between sleeve e barrel, e.g. spreading etaining hooks having	5/3287	t ({Accessories for bringing the needle into the body; Automatic needle insertion (A61M 5/20, A61M 5/31525 take precedence)}
slanted sur with conic	rfaces by engagement ally shaped collet of the	2005/3289		{ with rotation of the needle, e.g. to ease penetration}
the injection	during the last portion of on stroke of the plunger}	5/329	5	{characterised by features of the needle shaft}
distal en	r provided at the ad, i.e. syringe end for ag a needle}	5/3291 5/3293		{Shafts with additional lateral openings} {characterised by features of the needle hub}
2005/3264 {Trigger proxima	r provided at the ll end, i.e. syringe end	5/3294 5/3295	1	{comprising means for injection of two or more media, e.g. by mixing} {Multiple needle devices, e.g. a plurality of
2005/3265 {Degree or	e to needle mounting end} f extension of sleeve	5/3297	1	needles arranged coaxially or in parallel} Needles arranged coaxially}
	le covering position is ely established by the	5/3298		Needles arranged in parallel}
degree of p syringe ba	piston insertion into the rrel}	5/34	+	Constructions for connecting the needle {, e.g. to syringe nozzle or needle hub (connecting catheter tubes to hubs
is uncover	eeves where the needle ed by insertion of the	2005/341		A61M 25/0014)} . {angularly adjustable or angled away from
	o a patient's body} cantilever elastically	2003/311		the axis of the injector}
spreadal accumul uncover	ble arms, e.g. to late energy during needle ing movement for urging on sleeve to return to	2005/342		(Off-center needles, i.e. needle connections not being coaxial with the longitudinal symmetry axis of syringe barrel)
needle c 5/3269 {guided by n aligned with	covering position} neans not coaxially syringe barrel, e.g.	5/343	• • • • •	{Connection of needle cannula to needle hub, or directly to syringe nozzle without a needle hub (A61M 5/322 takes precedence)}
exterior surfa	member formed on ace of syringe barrel for shing rod connected to	5/344		. {using additional parts, e.g. clamping rings or collets}
and displacing	ng needle safety sheath} g tracks for controlled	5/345		• {Adaptors positioned between needle hub and syringe nozzle}
sliding of nee from needle	edle protective sleeve exposing to needle	5/346 5/347		 {friction fit (<u>A61M 5/344</u> takes precedence)} {rotatable, e.g. bayonet or screw
	rojections following	5/348	• • • • •	(A61M 5/344 takes precedence)} (snap lock, i.e. upon axial displacement
	oaths} ng on needle shaft without o syringe or needle}	3/348	• • • •	of needle assembly (A61M 5/344 takes precedence)}
	ected to the needle hub	5/349		{using adhesive bond or glues}
or syringe by	radially deflectable g. longitudinal slats, cords	5/36	or infus	eans for eliminating or preventing injection tion of air into body (dialysis systems, xygenators A61M 1/14; haemofiltration
5/3276 {Means imparting the needle or need	g rotational movement to dle hub in order to assist	T/0.55	equipm A61M	ent <u>A61M 1/34;</u> {automatic tube cut-off <u>39/281</u> })
	on from syringe nozzle} estroying used needles	5/365		detectors (A61M 5/1684 takes precedence; tracorporeal blood circuits A61M 1/3626)}
or syringes (needl	le resheathing means	5/38	-	hydrophilic or hydrophobic filters
destroying the nee	edle <u>A61M 5/321</u>)}	5/385 5/40		sing hydrophobic filters} glow-level float-valve to cut off media flow
hubs}	tip encapsulating	5, 10	from	reservoir {(position detection of a floating ber A61M 5/1685)}
	o-component hardenable	5/42	skin to	means for desensitising skin, for protruding facilitate piercing, or for locating point
	ical means, e.g. mills}	5/400		body is to be pierced
2005/3283 {using electric electrodes}	current between	5/422 5/425		ensitising skin} aruding skin to facilitate piercing, e.g.
	f needle by deflection or	5/427	vacui	um cylinders, vein immobilising means} ating point where body is to be pierced,
5/3286 {Needle tip design, penetration}	e.g. for improved	5, 121	e.g. v	rein location means using ultrasonic waves, tion site templates}

5/44	 having means for cooling or heating the devices or media 	11/008	• • {by squeezing, e.g. using a flexible bottle or a bulb}
5/445	 {the media being heated in the reservoir, e.g. warming bloodbags} 	11/02	 operated by air {or other gas} pressure applied to the liquid {or other product} to be sprayed or
5/46	 having means for controlling depth of insertion 		atomised {(sprayers for horticulture A01G, A01H;
5/48	 having means for varying, regulating, indicating 		killing insects A01M; air humidifying by nozzles
	or limiting injection pressure (A61M 5/142 takes		<u>F24F 6/14</u> , <u>F24F 6/18</u> ; cooling by spraying <u>F28B</u> ,
	precedence {; monitoring pressure in infusion		<u>F28C</u>)}
	systems <u>A61M 5/16854</u> })	11/04	• operated by the vapour pressure of the liquid to
5/482	 {Varying injection pressure, e.g. by varying speed of injection} 		be sprayed or atomised {(air-humidification, e.g. "room humidifiers" <u>F24F 6/00</u>)}
5/484	• • {Regulating injection pressure}	11/041	• • {using heaters}
5/486	• • {Indicating injection pressure}	11/042	{electrical}
5/488	{Limiting injection pressure}	11/044	• • • { with electrodes immersed in the liquid }
5/50	 having means for preventing re-use, or for 	11/045	• • • {using another liquid as heat exchanger, e.g.
	indicating if defective, used, tampered with or		bain-marie}
	unsterile {(retractable needles or needle protectors	11/047	• • • {by exothermic chemical reaction}
	with means for preventing re-use A61M 5/321)	11/048	• • • {with a flame, e.g. using a burner}
2005/5006	{Having means for destroying the syringe barrel,	11/06	• of the injector type
5/5010	e.g. by cutting or piercing}	11/065	• • {using steam as driving gas}
5/5013	{Means for blocking the piston or the fluid	11/08	• Pocket atomisers of the injector type {(aerosol
	passageway to prevent illegal refilling of a syringe}		cans <u>A61M 15/009</u>)}
5/502	• • { for blocking the piston}	13/00	Insufflators for therapeutic or disinfectant
2005/5026	{allowing single filling of syringe}		purposes {, i.e. devices for blowing a gas, powder
	by use of an intermediate blocking member		or vapour into the body (hand-held units in which
2003/3033	positioned between the syringe barrel and the		gas flow is produced by muscular energy at the
	piston rod to prevent retraction of the latter,	10/000	moment of use <u>B05B 11/062</u>)}
	e.g. toothed clip placed on the piston rod}	13/003	• {Blowing gases other than for carrying powders,
5/504	• • { for blocking the fluid passageway }	12/006	e.g. for inflating, dilating or rinsing}
2005/5046	• • • {automatically, e.g. plug actuated by the piston head, one-way valve}	13/006	• • {with gas recirculation}
2005/5053		Inhaling dev	ices
2005/5053	• • • • {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the	Inhaling dev	Inhalators {(drug delivery in endotracheal tubes
	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. 	_	
	• • • • {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe}	15/00	Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} • {Details of inhalators; Constructional features
2005/506	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} 	15/00 15/0001	 Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} {Details of inhalators; Constructional features thereof}
2005/506	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} . {Means for preventing re-use by disconnection of piston and piston-rod} {by breaking or rupturing the connection parts} 	15/00 15/0001 15/0003	 Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} {Details of inhalators; Constructional features thereof} • {with means for dispensing more than one drug}
2005/506	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} . {Means for preventing re-use by disconnection of piston and piston-rod} {by breaking or rupturing the connection parts} . {Means for preventing re-use by disrupting the 	15/000 15/0001 15/0003 15/0005	 Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} {Details of inhalators; Constructional features thereof} {with means for dispensing more than one drug} {with means for agitating the medicament}
2005/506 5/5066 2005/5073 5/508	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} . {Means for preventing re-use by disconnection of piston and piston-rod} {by breaking or rupturing the connection parts} . {Means for preventing re-use by disrupting the piston seal, e.g. by puncturing} 	15/000 15/0001 15/0003 15/0005 15/0006	 Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} {Details of inhalators; Constructional features thereof} { with means for dispensing more than one drug} { with means for agitating the medicament} { using rotating means}
2005/506 5/5066 2005/5073	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} . {Means for preventing re-use by disconnection of piston and piston-rod} {by breaking or rupturing the connection parts} . {Means for preventing re-use by disrupting the piston seal, e.g. by puncturing} . {for indicating if defective, used, tampered with 	15/000 15/0001 15/0003 15/0005 15/0006 15/0008	 Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} {Details of inhalators; Constructional features thereof} {with means for dispensing more than one drug} {with means for agitating the medicament} {using rotating means} {rotating by airflow} {using ultrasonic means} {with microcapsules, e.g. several in one dose}
2005/506 5/5066 2005/5073 5/508 5/5086	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} . {Means for preventing re-use by disconnection of piston and piston-rod} {by breaking or rupturing the connection parts} . {Means for preventing re-use by disrupting the piston seal, e.g. by puncturing} . {for indicating if defective, used, tampered with or unsterile} 	15/000 15/0001 15/0003 15/0005 15/0006 15/0008 15/001	Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} • {Details of inhalators; Constructional features thereof} • • {with means for dispensing more than one drug} • • {with means for agitating the medicament} • • • {using rotating means} • • • {rotating by airflow} • • {using ultrasonic means} • • {with microcapsules, e.g. several in one dose} • {with inhalation check valves}
2005/506 5/5066 2005/5073 5/508	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} . {Means for preventing re-use by disconnection of piston and piston-rod} {by breaking or rupturing the connection parts} . {Means for preventing re-use by disrupting the piston seal, e.g. by puncturing} . {for indicating if defective, used, tampered with 	15/00 15/0001 15/0003 15/0005 15/0006 15/0008 15/001 15/0011	 Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} {Details of inhalators; Constructional features thereof} {with means for dispensing more than one drug} {with means for agitating the medicament} {using rotating means} {rotating by airflow} {using ultrasonic means} {with microcapsules, e.g. several in one dose}
2005/506 5/5066 2005/5073 5/508 5/5086 2005/5093	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} . {Means for preventing re-use by disconnection of piston and piston-rod} {by breaking or rupturing the connection parts} . {Means for preventing re-use by disrupting the piston seal, e.g. by puncturing} . {for indicating if defective, used, tampered with or unsterile} . {including soluble mechanical parts} 	15/00 15/0001 15/0003 15/0005 15/0006 15/0008 15/001 15/0011 15/0013	 Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} {Details of inhalators; Constructional features thereof} { with means for dispensing more than one drug} { with means for agitating the medicament} { using rotating means} { rotating by airflow} { using ultrasonic means} { with microcapsules, e.g. several in one dose} { with inhalation check valves} { located upstream of the dispenser, i.e. not traversed by the product} { located downstream of the dispenser, i.e. traversed by the product}
2005/506 5/5066 2005/5073 5/508 5/5086 2005/5093 5/52 9/00	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} . {Means for preventing re-use by disconnection of piston and piston-rod} . {by breaking or rupturing the connection parts} . {Means for preventing re-use by disrupting the piston seal, e.g. by puncturing} . {for indicating if defective, used, tampered with or unsterile} . {including soluble mechanical parts} . Arm-rests 	15/00 15/0001 15/0003 15/0005 15/0006 15/0008 15/001 15/0011 15/0013 15/0015	 Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} {Details of inhalators; Constructional features thereof} {with means for dispensing more than one drug} {with means for agitating the medicament} {using rotating means} {rotating by airflow} {using ultrasonic means} {with microcapsules, e.g. several in one dose} {with inhalation check valves} {located upstream of the dispenser, i.e. not traversed by the product} {located downstream of the dispenser, i.e. traversed by the product} {with exhalation check valves}
2005/506 5/5066 2005/5073 5/508 5/5086 2005/5093 5/52 9/00 Sprayers; Atomorphic Action (Control of the Control of the	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} . {Means for preventing re-use by disconnection of piston and piston-rod} {by breaking or rupturing the connection parts} . {Means for preventing re-use by disrupting the piston seal, e.g. by puncturing} . {for indicating if defective, used, tampered with or unsterile} . {including soluble mechanical parts} . Arm-rests Baths for subaquatic intestinal cleaning 	15/000 15/0001 15/0003 15/0005 15/0006 15/0008 15/001 15/0011 15/0013 15/0015	 Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} {Details of inhalators; Constructional features thereof} { with means for dispensing more than one drug} { with means for agitating the medicament} { using rotating means} { rotating by airflow} { using ultrasonic means} { with microcapsules, e.g. several in one dose} { with inhalation check valves} { located upstream of the dispenser, i.e. not traversed by the product} { located downstream of the dispenser, i.e. traversed by the product}
2005/506 5/5066 2005/5073 5/508 5/5086 2005/5093 5/52 9/00	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} . {Means for preventing re-use by disconnection of piston and piston-rod} {by breaking or rupturing the connection parts} . {Means for preventing re-use by disrupting the piston seal, e.g. by puncturing} . {for indicating if defective, used, tampered with or unsterile} . {including soluble mechanical parts} . Arm-rests Baths for subaquatic intestinal cleaning omisers; Insufflators Sprayers or atomisers specially adapted for 	15/00 15/0001 15/0003 15/0005 15/0006 15/0008 15/001 15/0011 15/0015 15/0016	 Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} {Details of inhalators; Constructional features thereof} {with means for dispensing more than one drug} {with means for agitating the medicament} {using rotating means} {rotating by airflow} {using ultrasonic means} {with microcapsules, e.g. several in one dose} {with inhalation check valves} {located upstream of the dispenser, i.e. not traversed by the product} {located downstream of the dispenser, i.e. traversed by the product} {with exhalation check valves} {with exhalation check valves} {with air flow regulating means} {Mouthpieces therefor}
2005/506 5/5066 2005/5073 5/508 5/5086 2005/5093 5/52 9/00 Sprayers; Atomorphic Action (Control of the Control of the	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} {Means for preventing re-use by disconnection of piston and piston-rod} {by breaking or rupturing the connection parts} . {Means for preventing re-use by disrupting the piston seal, e.g. by puncturing} . {for indicating if defective, used, tampered with or unsterile} . {including soluble mechanical parts} . Arm-rests Baths for subaquatic intestinal cleaning omisers; Insufflators Sprayers or atomisers specially adapted for therapeutic purposes (in general B05B; {aerosol 	15/00 15/0001 15/0003 15/0005 15/0006 15/0008 15/001 15/0013 15/0015 15/0016 15/0018 15/002 15/0021 15/0023	 Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} {Details of inhalators; Constructional features thereof} {with means for dispensing more than one drug} {with means for agitating the medicament} {using rotating means} {rotating by airflow} {using ultrasonic means} {with microcapsules, e.g. several in one dose} {with inhalation check valves} {located upstream of the dispenser, i.e. not traversed by the product} {located downstream of the dispenser, i.e. traversed by the product} {with exhalation check valves} {with exhalation check valves} {with air flow regulating means} {Mouthpieces therefor} {retractable}
2005/506 5/5066 2005/5073 5/508 5/5086 2005/5093 5/52 9/00 Sprayers; Ato 11/00	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} {Means for preventing re-use by disconnection of piston and piston-rod} {by breaking or rupturing the connection parts} . {Means for preventing re-use by disrupting the piston seal, e.g. by puncturing} . {for indicating if defective, used, tampered with or unsterile} . {including soluble mechanical parts} . Arm-rests Baths for subaquatic intestinal cleaning omisers; Insufflators Sprayers or atomisers specially adapted for therapeutic purposes (in general B05B; {aerosol containers B65D 83/14}) 	15/00 15/0001 15/0003 15/0005 15/0006 15/0008 15/001 15/0013 15/0015 15/0016 15/0018 15/002 15/0021 15/0023 15/0025	<pre>Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} {Details of inhalators; Constructional features thereof} {with means for dispensing more than one drug} {with means for agitating the medicament} {using rotating means} {volume of the dispension of the dispenser, i.e. not</pre>
2005/506 5/5066 2005/5073 5/508 5/5086 2005/5093 5/52 9/00 Sprayers; Ata 11/00	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} . {Means for preventing re-use by disconnection of piston and piston-rod} {by breaking or rupturing the connection parts} . {Means for preventing re-use by disrupting the piston seal, e.g. by puncturing} . {for indicating if defective, used, tampered with or unsterile} . {including soluble mechanical parts} . Arm-rests Baths for subaquatic intestinal cleaning omisers; Insufflators Sprayers or atomisers specially adapted for therapeutic purposes (in general B05B; {aerosol containers B65D 83/14}) . {Particle size control} 	15/000 15/0001 15/0003 15/0005 15/0006 15/0008 15/001 15/0013 15/0015 15/0016 15/0018 15/002 15/0023 15/0025 15/0026	<pre>Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} • {Details of inhalators; Constructional features thereof} • {with means for dispensing more than one drug} • {with means for agitating the medicament} • {using rotating means} • {rotating by airflow} • {using ultrasonic means} • {with microcapsules, e.g. several in one dose} • {with inhalation check valves} • {located upstream of the dispenser, i.e. not traversed by the product} • {located downstream of the dispenser, i.e. traversed by the product} • {with exhalation check valves} • {with exhalation check valves} • {with air flow regulating means} • {Mouthpieces therefor} • {retractable} • {with caps} • {Hinged caps}</pre>
2005/506 5/5066 2005/5073 5/508 5/5086 2005/5093 5/52 9/00 Sprayers; Ato 11/00 11/001 11/002	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} {Means for preventing re-use by disconnection of piston and piston-rod} {by breaking or rupturing the connection parts} . {Means for preventing re-use by disrupting the piston seal, e.g. by puncturing} . {for indicating if defective, used, tampered with or unsterile} . {including soluble mechanical parts} . Arm-rests Baths for subaquatic intestinal cleaning omisers; Insufflators Sprayers or atomisers specially adapted for therapeutic purposes (in general B05B; {aerosol containers B65D 83/14}) . {Particle size control} . {by flow deviation causing inertial separation of transported particles} 	15/00 15/0001 15/0003 15/0005 15/0006 15/0008 15/001 15/0013 15/0015 15/0016 15/0018 15/002 15/0021 15/0023 15/0025	<pre>Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} {Details of inhalators; Constructional features thereof} {with means for dispensing more than one drug} {with means for agitating the medicament} {using rotating means} {volume of the value of valu</pre>
2005/506 5/5066 2005/5073 5/508 5/5086 2005/5093 5/52 9/00 Sprayers; Ato 11/00 11/001 11/002 11/003	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} {Means for preventing re-use by disconnection of piston and piston-rod} {by breaking or rupturing the connection parts} . {Means for preventing re-use by disrupting the piston seal, e.g. by puncturing} . {for indicating if defective, used, tampered with or unsterile} . {including soluble mechanical parts} . Arm-rests Baths for subaquatic intestinal cleaning omisers; Insufflators Sprayers or atomisers specially adapted for therapeutic purposes (in general B05B; {aerosol containers B65D 83/14}) . {Particle size control} . {by flow deviation causing inertial separation of transported particles} . {by passing the aerosol trough sieves or filters} 	15/000 15/0001 15/0003 15/0005 15/0006 15/0008 15/001 15/0013 15/0015 15/0016 15/0018 15/002 15/0023 15/0025 15/0026	 Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} {Details of inhalators; Constructional features thereof} {with means for dispensing more than one drug} {with means for agitating the medicament} {using rotating means} {rotating by airflow} {using ultrasonic means} {with microcapsules, e.g. several in one dose} {with inhalation check valves} {located upstream of the dispenser, i.e. not traversed by the product} {located downstream of the dispenser, i.e. traversed by the product} {with exhalation check valves} {with exhalation check valves} {with air flow regulating means} {Mouthpieces therefor} {retractable} {with caps} {Hinged caps} {using prepacked dosages, one for each application,
2005/506 5/5066 2005/5073 5/508 5/5086 2005/5093 5/52 9/00 Sprayers; Ato 11/00 11/001 11/002	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} {Means for preventing re-use by disconnection of piston and piston-rod} {by breaking or rupturing the connection parts} . {Means for preventing re-use by disrupting the piston seal, e.g. by puncturing} . {for indicating if defective, used, tampered with or unsterile} . {including soluble mechanical parts} . Arm-rests Baths for subaquatic intestinal cleaning omisers; Insufflators Sprayers or atomisers specially adapted for therapeutic purposes (in general B05B; {aerosol containers B65D 83/14}) . {Particle size control} . {by flow deviation causing inertial separation of transported particles} . {by passing the aerosol trough sieves or filters} . {using ultrasonics (spraying or atomising liquids 	15/00 15/0001 15/0003 15/0005 15/0006 15/0008 15/0011 15/0013 15/0015 15/0016 15/002 15/002 15/0023 15/0026 15/0028 15/003	 Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} {Details of inhalators; Constructional features thereof} {with means for dispensing more than one drug} {with means for agitating the medicament} {using rotating means} {rotating by airflow} {using ultrasonic means} {with microcapsules, e.g. several in one dose} {with inhalation check valves} {located upstream of the dispenser, i.e. not traversed by the product} {located downstream of the dispenser, i.e. traversed by the product} {with exhalation check valves} {with exhalation check valves} {with air flow regulating means} {mouthpieces therefor} {retractable} {with caps} {multiple caps} {using prepacked dosages, one for each application, e.g. capsules to be perforated or broken-up} {using capsules, e.g. to be perforated or broken-up}
2005/506 5/5066 2005/5073 5/508 5/5086 2005/5093 5/52 9/00 Sprayers; Ato 11/00 11/001 11/002 11/003 11/005	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} {Means for preventing re-use by disconnection of piston and piston-rod} {by breaking or rupturing the connection parts} . {Means for preventing re-use by disrupting the piston seal, e.g. by puncturing} . {for indicating if defective, used, tampered with or unsterile} . {including soluble mechanical parts} . Arm-rests Baths for subaquatic intestinal cleaning omisers; Insufflators Sprayers or atomisers specially adapted for therapeutic purposes (in general B05B; {aerosol containers B65D 83/14}) . {Particle size control} . {by flow deviation causing inertial separation of transported particles} . {by passing the aerosol trough sieves or filters} . {using ultrasonics (spraying or atomising liquids using ultrasonic vibrations in general B05B 17/06)} 	15/000 15/0001 15/0003 15/0005 15/0006 15/0008 15/0011 15/0013 15/0015 15/0016 15/002 15/002 15/0023 15/0026 15/0028	 Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} {Details of inhalators; Constructional features thereof} {with means for dispensing more than one drug} {with means for agitating the medicament} {using rotating means} {rotating by airflow} {using ultrasonic means} {with microcapsules, e.g. several in one dose} {with inhalation check valves} {located upstream of the dispenser, i.e. not traversed by the product} {located downstream of the dispenser, i.e. traversed by the product} {with exhalation check valves} {with exhalation check valves} {with air flow regulating means} {Mouthpieces therefor} {retractable} {with caps} {with caps} {using prepacked dosages, one for each application, e.g. capsules to be perforated or broken-up} {using capsules, e.g. to be perforated or broken-up} {by bursting or breaking the package, i.e.
2005/506 5/5066 2005/5073 5/508 5/5086 2005/5093 5/52 9/00 Sprayers; Ato 11/00 11/001 11/002 11/003	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} {Means for preventing re-use by disconnection of piston and piston-rod} {by breaking or rupturing the connection parts} {Means for preventing re-use by disrupting the piston seal, e.g. by puncturing} {for indicating if defective, used, tampered with or unsterile} {including soluble mechanical parts} . Arm-rests Baths for subaquatic intestinal cleaning omisers; Insufflators Sprayers or atomisers specially adapted for therapeutic purposes (in general B05B; {aerosol containers B65D 83/14}) . {Particle size control} {by flow deviation causing inertial separation of transported particles} {by passing the aerosol trough sieves or filters} . {using ultrasonics (spraying or atomising liquids using ultrasonic vibrations in general B05B 17/06)} . {operated by applying mechanical pressure to the 	15/00 15/0001 15/0003 15/0005 15/0006 15/0008 15/0011 15/0013 15/0015 15/0016 15/002 15/002 15/0021 15/0023 15/0025 15/0028 15/003 15/0031	 Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} {Details of inhalators; Constructional features thereof} {with means for dispensing more than one drug} {with means for agitating the medicament} {using rotating means} {rotating by airflow} {using ultrasonic means} {with microcapsules, e.g. several in one dose} {with inhalation check valves} {located upstream of the dispenser, i.e. not traversed by the product} {located downstream of the dispenser, i.e. traversed by the product} {with exhalation check valves} {with exhalation check valves} {with air flow regulating means} {mouthpieces therefor} {retractable} {with caps} {using prepacked dosages, one for each application, e.g. capsules to be perforated or broken-up} {using capsules, e.g. to be perforated or broken-up} {by bursting or breaking the package, i.e. without cutting or piercing}
2005/506 5/5066 2005/5073 5/508 5/5086 2005/5093 5/52 9/00 Sprayers; Ato 11/00 11/001 11/002 11/003 11/005 11/006	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} {Means for preventing re-use by disconnection of piston and piston-rod} {by breaking or rupturing the connection parts} {Means for preventing re-use by disrupting the piston seal, e.g. by puncturing} {for indicating if defective, used, tampered with or unsterile} {including soluble mechanical parts} . Arm-rests Baths for subaquatic intestinal cleaning omisers; Insufflators Sprayers or atomisers specially adapted for therapeutic purposes (in general B05B; {aerosol containers B65D 83/14}) . {Particle size control} {by flow deviation causing inertial separation of transported particles} {by passing the aerosol trough sieves or filters} . {using ultrasonics (spraying or atomising liquids using ultrasonic vibrations in general B05B 17/06)} . {operated by applying mechanical pressure to the liquid to be sprayed or atomised} 	15/000 15/0001 15/0003 15/0005 15/0006 15/0008 15/0011 15/0013 15/0015 15/0016 15/0018 15/002 15/0021 15/0023 15/0025 15/0028 15/0031 15/0031	 Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} {Details of inhalators; Constructional features thereof} {with means for dispensing more than one drug} {with means for agitating the medicament} {using rotating means} {rotating by airflow} {using ultrasonic means} {with microcapsules, e.g. several in one dose} {with inhalation check valves} {located upstream of the dispenser, i.e. not traversed by the product} {located downstream of the dispenser, i.e. traversed by the product} {with exhalation check valves} {with exhalation check valves} {with air flow regulating means} {Mouthpieces therefor} {retractable} {with caps} {using prepacked dosages, one for each application, e.g. capsules to be perforated or broken-up} {using capsules, e.g. to be perforated or broken-up} {by bursting or breaking the package, i.e. without cutting or piercing} {Details of the piercing or cutting means}
2005/506 5/5066 2005/5073 5/508 5/5086 2005/5093 5/52 9/00 Sprayers; Ato 11/00 11/001 11/002 11/003 11/005	 {Valve or plug actuated by fluid flow or fluid pressure allowing initial filling of the syringe} {Plug actuated by contact with fluid, e.g. hydrophilic expansion plug} {Means for preventing re-use by disconnection of piston and piston-rod} {by breaking or rupturing the connection parts} {Means for preventing re-use by disrupting the piston seal, e.g. by puncturing} {for indicating if defective, used, tampered with or unsterile} {including soluble mechanical parts} . Arm-rests Baths for subaquatic intestinal cleaning omisers; Insufflators Sprayers or atomisers specially adapted for therapeutic purposes (in general B05B; {aerosol containers B65D 83/14}) . {Particle size control} {by flow deviation causing inertial separation of transported particles} {by passing the aerosol trough sieves or filters} . {using ultrasonics (spraying or atomising liquids using ultrasonic vibrations in general B05B 17/06)} . {operated by applying mechanical pressure to the 	15/00 15/0001 15/0003 15/0005 15/0006 15/0008 15/0011 15/0013 15/0015 15/0016 15/002 15/002 15/0021 15/0023 15/0025 15/0028 15/003 15/0031	 Inhalators {(drug delivery in endotracheal tubes A61M 16/04)} {Details of inhalators; Constructional features thereof} {with means for dispensing more than one drug} {with means for agitating the medicament} {using rotating means} {rotating by airflow} {using ultrasonic means} {with microcapsules, e.g. several in one dose} {with inhalation check valves} {located upstream of the dispenser, i.e. not traversed by the product} {located downstream of the dispenser, i.e. traversed by the product} {with exhalation check valves} {with exhalation check valves} {with air flow regulating means} {mouthpieces therefor} {retractable} {with caps} {using prepacked dosages, one for each application, e.g. capsules to be perforated or broken-up} {using capsules, e.g. to be perforated or broken-up} {by bursting or breaking the package, i.e. without cutting or piercing}

Inhaling devices A61M

15/0038	{Cutting means}	16/00	Devices for influencing the respiratory system
15/004	• • • { with fixed piercing or cutting means }		of patients by gas treatment, e.g. mouth-to-
15/0041	• • • { with movable piercing or cutting means }		mouth respiration; Tracheal tubes (stimulating the respiratory movement by mechanical, pneumatic
15/0043	• • • {Non-destructive separation of the package, e.g. peeling}		or electrical means, iron lungs combined with gas
15/0045	• • {using multiple prepacked dosages on a same carrier, e.g. blisters}	16/0003	breathing means <u>A61H 31/00</u>) • {Accessories therefor, e.g. sensors, vibrators,
15/0046	• • {characterized by the type of carrier}		negative pressure}
15/0048	• • • {the dosages being arranged in a plane, e.g. on diskettes}	16/0006	• • {with means for creating vibrations in patients' airways}
15/005	{the dosages being arranged on a cylindrical surface}	16/0009	• • {with sub-atmospheric pressure, e.g. during expiration}
15/0051	• • • {the dosages being arranged on a tape, e.g.	16/0012	{by Venturi means}
	strips}	2016/0015	• • {inhalation detectors}
15/0053	{characterized by the type or way of disposal}	2016/0018	{electrical}
15/0055	{the used dosages being coiled}	2016/0021	• • • { with a proportional output signal, e.g. from
15/0056	• • • {the used dosages being crushed}		a thermistor}
15/0058	{the used dosages being cut from the carrier}	2016/0024	• • • { with an on-off output signal, e.g. from a
15/006	{the used dosages being discarded out of the inhaler's housing}	2016/0027	switch} {pressure meter}
15/00/1	— · · · · · · · · · · · · · · · · · · ·		• • {with a flowmeter}
15/0061	• (using pre-packed dosages having an insert		{electrical}
15/0062	inside}		{in the breathing tube and used in both
15/0063 15/0065	. {Storages for pre-packed dosages}. {Inhalators with dosage or measuring devices	2010/0030	inspiratory and expiratory phase}
13/0003	(A61M 15/0028 takes precedence; dosage devices	2016/0039	{in the inspiratory circuit}
	incorporated in aerosol cans <u>B65D 83/52</u>)}	2016/0042	• • • {in the expiratory circuit}
15/0066	• • { with means for varying the dose size }	16/0045	• {Means for re-breathing exhaled gases, e.g. for
15/0068	• • {Indicating or counting the number of dispensed		hyperventilation treatment}
	doses or of remaining doses}	16/0048	• {Mouth-to-mouth respiration (teaching or training
15/007	{Mechanical counters}		models <u>G09B 23/288</u>)}
15/0071	{having a display or indicator}	16/0051	• {with alarm devices}
15/0073	{on a ring}	16/0054	• {Liquid ventilation}
15/0075	• • • • { on a disc }	16/0057	• {Pumps therefor}
15/0076	{on a drum}	16/006	• • {Tidal volume membrane pumps}
15/0078	• • • • • {on a strip}	16/0063	• • {Compressors}
15/008	{Electronic counters}	16/0066	• • {Blowers or centrifugal pumps}
15/0081	{Locking means}	16/0069	• • • {the speed thereof being controlled by
15/0083	{Timers}		respiratory parameters, e.g. by inhalation}
15/0085	• {using ultrasonics (spraying or atomising liquids	16/0072	• • {Tidal volume piston pumps}
	using ultrasonic vibrations in general <u>B05B 17/06</u>)}	16/0075	{Bellows-type}
15/0086	• {Inhalation chambers}	16/0078	• • {Breathing bags}
15/0088	• • {with variable volume}	16/0081	• • {Bag or bellow in a bottle}
15/009	• {using medicine packages with incorporated	16/0084	• • {self-reinflatable by elasticity, e.g. resuscitation
	spraying means, e.g. aerosol cans (pocket atomiser	16/0087	squeeze bags} • {Environmental safety or protection means, e.g.
15/0001	of the injector type A61M 11/08)}	10/0087	preventing explosion}
15/0091	• {mechanically breath-triggered}	16/009	• • {Removing used or expired gases or anaesthetic
15/0093	 { without arming or cocking, e.g. acting directly on the delivery valve} 	10/009	vapours (filtering, sterilising or disinfecting the
15/0095	• • {Preventing manual activation in absence of		exhaust air in drainage systems A61M 1/784;
15/00/5	inhalation}		bacterial filters in the expiratory path
15/0096	• • {Hindering inhalation before activation of the	16/0002	A61M 16/1065)}
	dispenser}	16/0093	• • {by adsorption, absorption or filtration}
15/0098	• • {Activated by exhalation}	16/0096	• {High frequency jet ventilation}
15/02	• with activated or ionised {fluids, e.g.	16/01	• specially adapted for anaesthetising {(A61M 16/104, A61M 16/18 take precedence)}
	electrohydrodynamic [EHD] or electrostatic	16/021	• {operated by electrical means (A61M 16/202 –
	devices}; Ozone-inhalators {with radioactive tagged	10/021	A61M 16/205 take precedence)
15/025	particles}	16/022	• {Control means therefor}
15/025	{Bubble jet droplet ejection devices}	16/024	• • {Control means therefor} • • • {including calculation means, e.g. using a
15/06	 Inhaling appliances shaped like cigars, cigarettes or pipes 	10/024	processor}
15/08	Inhaling devices inserted into the nose		
15/08	Fixing means therefor		
13/003	• • (1 IAMS means dictoror)		

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16/026	• • • { specially adapted for predicting, e.g. for	16/0484 {at the distal end}
	determining an information representative	16/0486 {Multi-lumen tracheal tubes}
	of a flow limitation during a ventilation	16/0488 {Mouthpieces; Means for guiding, securing or
	cycle by using a root square technique or a	introducing the tubes (guiding or introducing with
	regression analysis}	laryngoscopes A61B 1/267; holding devices on
16/04	• Tracheal tubes (catheters in general A61M 25/00)	the body <u>A61M 25/02</u>)}
16/0402	• • {Special features for tracheal tubes not otherwise	16/049 {Mouthpieces}
	provided for}	16/0493 • • • • { with means for protecting the tube from
16/0404	• • • { with means for selective or partial lung	damage caused by the patient's teeth, e.g. bite
1.6/0.40.6	respiration}	block}
16/0406	• • • {implanted flow modifiers}	16/0495 {with tongue depressors}
16/0409	• • • { with mean for closing the oesophagus }	16/0497 {Tube stabilizer}
16/0411	• • • { with means for differentiating between	16/06 • Respiratory or anaesthetic masks
2016/0413	oesophageal and tracheal intubation} {with detectors of CO ₂ in exhaled gases}	16/0605 • • {Means for improving the adaptation of the mask
16/0415	• • {with access means to the stomach}	to the patient}
16/0413	 { with access means to the stomach} { with integrated means for changing the degree 	16/0611 • • • {with a gusset portion}
10/0418	of curvature, e.g. for easy intubation}	16/0616 { with face sealing means comprising a flap or membrane projecting inwards, such that
16/042	• • { with separate conduits for in-and expiration	sealing increases with increasing inhalation gas
10/042	gas, e.g. for limited dead volume}	pressure}
16/0422	{Laser-resistant}	16/0622 {having an underlying cushion}
16/0425	• • • {Metal tubes}	16/0627 • • • { with sealing means on a part of the body other
16/0427	• • { with removable and re-insertable liner tubes,	than the face, e.g. helmets, hoods or domes}
	e.g. for cleaning}	16/0633 {with forehead support}
16/0429	• • • {with non-integrated distal obturators}	16/0638 {in the form of a pivot}
16/0431	• • • { with a cross-sectional shape other than	16/0644 {having the means for adjusting its position}
	circular}	16/065 {in the form of a pivot}
16/0434	{Cuffs}	16/0655 {in the form of a linear or curvilinear
16/0436	• • • {Special fillings therefor}	slide}
16/0438	{Liquid-filled}	2016/0661 {with customised shape}
16/044	• • • {External cuff pressure control or supply, e.g.	16/0666 {Nasal cannulas or tubing (devices for improving
	synchronisation with respiration}	normal breathing through the nose A61F 5/08;
16/0443	• • • {Special cuff-wall materials (<u>A61M 16/0481</u> ,	nose filters A62B 23/06; outside holding devices
	<u>A61M 16/0422</u> take precedence)}	<u>A61M 25/02</u>)}
16/0445	• • • {Special cuff forms, e.g. undulated}	16/0672 {Nasal cannula assemblies for oxygen therapy}
16/0447	• • • {Bell, canopy or umbrella shaped}	16/0677 {Gas-saving devices therefor}
16/045	• • • {with cuffs partially or completely inflated by	16/0683 {Holding devices therefor}
	the respiratory gas}	16/0688 {by means of an adhesive}
16/0452	• • • • {following the inspiration and expiration	16/0694 {Chin straps}
16/0454	pressure}	16/08 Bellows; Connecting tubes {(having means for
16/0454	• • • {Redundant cuffs}	taking samples <u>G01N 1/22</u>); Water traps; Patient
16/0456	• • • {one cuff within another}	circuits} 16/0808 • • {Condensation traps}
16/0459	(Negrandered and tribes)	16/0816 • {Condensation traps}
16/0461	• {Nasoendotracheal tubes}	16/0825 {with ball-sockets}
16/0463	 {combined with suction tubes, catheters or the like; Outside connections} 	16/0833 {T- or Y-type connectors, e.g. Y-piece}
16/0465	Tracheostomy tubes; Devices for performing a	16/0841 {for sampling}
10/0403	tracheostomy; Accessories therefor, e.g. masks,	16/085 {Gas sampling}
	filters}	16/0858 {Pressure sampling ports}
16/0468	• • • { with valves at the proximal end limiting	16/0866 . {Passive resistors therefor}
	exhalation, e.g. during speaking or coughing	16/0875 • {Connecting tubes}
	(air passages from trachea to oesophagus or to	16/0883 • {Circuit type}
	pharynx, artificial epiglottis A61F 2/203)}	16/0891 {Closed circuit, e.g. for anaesthesia}
16/047	• • • {Masks, filters, surgical pads, devices for	16/10 • Preparation of respiratory gases or vapours
	absorbing secretions, specially adapted	16/1005 . • {with O ₂ features or with parameter
	therefor}	measurement)
16/0472	• • • {Devices for performing a tracheostomy}	16/101 {using an oxygen concentrator}
16/0475	• • {having openings in the tube}	16/1015 {using a gas flush valve, e.g. oxygen flush
16/0477	• • • { with incorporated means for delivering or	valve}
1.6/0.450	removing fluids}	2016/102 {Measuring a parameter of the content of the
16/0479	• • • {above the cuff, e.g. giving access to the	delivered gas}
16/0481	upper trachea}	2016/1025 {the O_2 concentration}
10/0481	• • • • {through the cuff wall}	2016/103 {the CO_2 concentration}

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2016/1035	• • • {the anaesthetic agent concentration}	16/22	• Carbon dioxide-absorbing devices {; Other means
16/104	• • • • (the anaesthetic agent concentration) • • • (specially adapted for anaesthetics (A61M 16/18))	10/22	for removing carbon dioxide (cartridges with
	takes precedence)}		absorbing substances for respiratory apparatus
16/1045	• • {Devices for humidifying or heating the inspired		A62B 19/00)
	gas by using recovered moisture or heat from the	04	
	expired gas}		es for producing sleep or stupor; Devices for ending
16/105	• • {Filters (<u>A61M 16/047</u> , <u>A61M 16/22</u> take	<u>sleep or stup</u>	<u>01</u>
16/1055	precedence; water traps <u>A61M 16/08</u>)}	19/00	Local anaesthesia (syringes therefor A61M 5/00);
16/1055	• • {bacterial}		Hypothermia (A61M 5/42 takes precedence; cooling
16/106	· · · {in a path}		blood in a bypass of the arterial system A61M 1/36)
16/1065 16/107	 {in the expiratory path} {in the inspiratory path}	21/00	Other devices or methods to cause a change in the
16/107	 {In the hispiratory path} . {by influencing the temperature (A61M 16/1045) 		state of consciousness; Devices for producing or
10/1073	takes precedence)}		ending sleep by mechanical, optical, or acoustical
16/108	• • • {before being humidified or mixed with a		means, e.g. for hypnosis
	beneficial agent}		• {by the use of a particular sense, or stimulus}
16/1085	{after being humidified or mixed with a	2021/0011	• • (in a subliminal way, i.e. below the threshold of
	beneficial agent}	2021/0016	sensation} {by the smell sense}
16/109	• • • {the humidifying liquid or the beneficial agent}		 {by the satisf sense} {by the tactile sense, e.g. vibrations}
16/1095	• • • {in the connecting tubes}		• • {by the tactile sense, e.g. violations} • • {by the hearing sense}
16/12	by mixing different gases		• • {subsonic}
16/122	• • • {with dilution}		{ultrasonic}
16/125	• • • {Diluting primary gas with ambient air}		• • {by the sight sense}
16/127	• • • • {by Venturi effect, i.e. entrainment mixers}		• • {images, e.g. video}
16/14	• • by mixing different fluids, one of them being in a	2021/0055	• • {with electric or electro-magnetic fields}
10/14	liquid phase	2021/0061	• • {Simulated heartbeat pulsed or modulated}
16/142	• • • { with semi-permeable walls separating the		• • {with heating or cooling}
	liquid from the respiratory gas}		• • {with application of electrical currents}
16/145	{using hollow fibres}	2021/0077	• • {with application of chemical or pharmacological
16/147	• • • {the respiratory gas not passing through the	2021/0002	stimulus}
	liquid container}		• • {especially for waking up}
16/16	Devices to humidify the respiration air	2021/0088 21/0094	• • {modulated by a simulated respiratory frequency} • {Isolation chambers used therewith, i.e. for isolating
16/161	{(A61M 16/1045 takes precedence)}	21/0094	individuals from external stimuli (other treatment
16/161 16/162	 {with means for measuring the humidity} {Water-reservoir filling system, e.g.		rooms or enclosures A61G 10/00)}
10/102	automatic}	21/02	• for inducing sleep or relaxation, e.g. by direct
16/164	• • • • {including a liquid inlet valve system}		nerve stimulation, hypnosis, analgesia (for massage
16/165	• • • • { with a float actuator }		A61H; electrotherapy A61N, e.g. applying
16/167	{acting vertically on the valve}		alternating or intermittent electric currents for
16/168	{having a dual float}		producing anaesthesia A61N 1/36021)
16/18	Vaporising devices for anaesthetic preparations	Probes: Cath	neters; Dilators; Drainage appliances for wounds
16/183	• • • {Filling systems}	,	
16/186	• • • {Locking systems}	25/00	Catheters; Hollow probes (dilators A61M 29/00;
16/20	Valves specially adapted to medical respiratory		{peritoneal catheters <u>A61M 1/285</u> ; tracheal tubes <u>A61M 16/04</u> ; for drainage <u>A61M 27/00</u> ; for uterus,
16/201	devices		vagina or rectum A61M 31/00}; for measuring or
16/201	{Controlled valves}		testing A61B; {materials for catheters A61L 29/00})
16/202 16/203	 {electrically actuated} {Proportional}	2025/0001	• {for pressure measurement}
16/203	• • • {Proportionar} • • • • {used for inhalation control}	2025/0002	• • {with a pressure sensor at the distal end}
16/205	{used for exhalation control}	2025/0003	• • {having an additional lumen transmitting fluid
16/206	{Capsule valves, e.g. mushroom, membrane		pressure to the outside for measurement}
10,200	valves}	2025/0004	• {having two or more concentrically arranged tubes
16/207	• • • {Membrane valves with pneumatic	2025/0006	for forming a concentric catheter system}
	amplification stage, i.e. having master and	2025/0006	 • {which can be secured against axial movement, e.g. by using a locking cuff}
	slave membranes}	2025/0007	• (Epidural catheters)
16/208	• • {Non-controlled one-way valves, e.g. exhalation,		{Epidular cathodris}{having visible markings on its surface, i.e. visible
1.6/200	check, pop-off non-rebreathing valves}	2325, 3000	to the naked eye, for any purpose, e.g. insertion
16/209	{Relief valves}		depth markers, rotational markers or identification
			of type}
		25/0009	• {Making of catheters or other medical or surgical
			tubes}

25/001	• • {Forming the tip of a catheter, e.g. bevelling process, join or taper}	2025/0037 {characterized by lumina being arranged side-by-side}
25/0012	• • {with embedded structures, e.g. coils, braids, meshes, strands or radiopaque coils}	2025/0039 {characterized by lumina being arranged coaxially}
25/0013	• • {Weakening parts of a catheter tubing, e.g. by making cuts in the tube or reducing thickness of a	2025/004 {characterized by lumina being arranged circumferentially}
25/0014	layer at one point to adjust the flexibility} {Connecting a tube to a hub}	25/0041 • • {pre-formed, e.g. specially adapted to fit with the anatomy of body channels (urethral catheters
25/0015	• • {Making lateral openings in a catheter tube, e.g. holes, slits, ports, piercings of guidewire ports;	A61F 2/04)} 2025/0042 • • {Microcatheters, cannula or the like having
	Methods for processing the holes, e.g. smoothing the edges}	outside diameters around 1 mm or less} 25/0043 • {characterised by structural features}
25/0017	• {specially adapted for long-term hygiene care, e.g. urethral or indwelling catheters to prevent	25/0045 • {multi-layered, e.g. coated (coating materials A61L 29/08)}
2025/0010	infections}	2025/0046 • • • {Coatings for improving slidability}
2025/0018	• {having a plug, e.g. an inflatable plug for closing catheter lumens}	2025/0047 {the inner layer having a higher lubricity}
2025/0019	• {Cleaning catheters or the like, e.g. for reuse of the	2025/0048 {with an outer layer made from silicon} 25/005 . {with embedded materials for reinforcement, e.g.
25/002	device, for avoiding replacement \\ Packages specially adapted therefor (combined)	wires, coils, braids}
23/002	with means for introducing catheters, e.g.	25/0051 {made from fenestrated or weakened tubing layer}
25/0021	dispensers, A61M 25/0113); catheter kit packages (for surgical articles A61B 50/30)}	25/0052 {Localized reinforcement, e.g. where only a specific part of the catheter is reinforced, for
25/0021	• {characterised by the form of the tubing (A61M 25/0054 takes precedence)}	rapid exchange guidewire port}
25/0023	{by the form of the lumen, e.g. cross-section, variable diameter}	25/0053 • • • {having a variable stiffness along the longitudinal axis, e.g. by varying the pitch of
2025/0024	• • • {Expandable catheters or sheaths}	the coil or braid} 25/0054 • { with regions for increasing flexibility}
2025/0025	• • • {having a collapsible lumen}	2025/0056 • {provided with an antibacterial agent, e.g.
25/0026	• • • {Multi-lumen catheters with stationary elements (catheter assemblies comprising a	by coating, residing in the polymer matrix or releasing an agent out of a reservoir}
	catheter in combination with a guide tube,	2025/0057 • • {Catheters delivering medicament other than
	sheath or sleeve A61M 2025/0681; catheters	through a conventional lumen, e.g. porous walls
	comprising telescoping coaxial elements	or hydrogel coatings}
25/0028	A61M 2025/0175)} {characterized by features relating to at least	2025/0058 {having an electroactive polymer material, e.g.
23/0028	one lumen located at the proximal part of the catheter, e.g. alterations in lumen shape or	for steering purposes, for control of flexibility, for locking, for opening or closing}
	valves (catheter hubs A61M 25/0097)}	2025/0059 • • {having means for preventing the catheter, sheath or lumens from collapsing due to outer forces,
25/0029	• • • {characterized by features relating to least one lumen located at the middle part	e.g. compressing forces, or caused by twisting or kinking}
	of the catheter, e.g. slots, flaps, valves,	2025/006 • • {having a special surface topography or special
	cuffs, apertures, notches, grooves or rapid exchange ports (catheter shaft surface	surface properties, e.g. roughened or knurled surface}
25/002	irregularities A61M 2025/006)}	2025/0062 {having features to improve the sliding of one
25/003	• • • • {characterized by features relating to least one lumen located at the distal part of the	part within another by using lubricants or surfaces with low friction (coatings A61M 2025/0046)}
	catheter, e.g. filters, plugs or valves (catheter tips A61M 25/0067)}	2025/0063 {having means, e.g. stylets, mandrils, rods or
2025/0031	{characterized by lumina for withdrawing	wires to reinforce or adjust temporarily the stiffness, column strength or pushability of
	or delivering, i.e. used for extracorporeal circuit treatment}	catheters which are already inserted into the human body}
25/0032	{characterized by at least one	2025/0064 {which become stiffer or softer when heated}
	unconventionally shaped lumen, e.g.	2025/0065 {which become stiffer or softer when becoming
	polygons, ellipsoids, wedges or shapes comprising concave and convex parts}	wet or humid, e.g. immersed within a liquid}
2025/0034	{characterized by elements which are	25/0067 • {characterised by the distal end, e.g. tips
	assembled, connected or fused, e.g. splittable	(A61M 25/0054, A61M 25/04 take precedence;
	tubes, outer sheaths creating lumina	balloon catheters <u>A61M 25/10</u>)} 25/0068 • {Static characteristics of the catheter tip, e.g.
	or separate cores (making of catheters	shape, atraumatic tip, curved tip or tip structure}
2025/0035	A61M 25/0009)} {characterized by a variable lumen cross-	25/0069 {Tip not integral with tube}
2023/0033	section by means of a resilient flexible	25/007 {Side holes, e.g. their profiles or arrangements;
	septum or outer wall}	Provisions to keep side holes unblocked}
2025/0036	• • • { with more than four lumina}	

25/0071	• • • {Multiple separate lumens (multiple	25/0119	{Eversible catheters}
	separate lumens throughout the catheter A61M 25/0026)}	25/0122	• • • {with fluid drive by external fluid in an open
2025/0073	{Tip designed for influencing the flow or	25/0125	fluid circuit} {Catheters carried by the bloodstream, e.g.
2023/0073	the flow velocity of the fluid, e.g. inserts	23/0123	with parachutes; Balloon catheters specially
	for twisted or vortex flow (general flow		designed for this purpose}
	characteristics A61M 2206/10)}	25/0127	{Magnetic means; Magnetic markers}
25/0074	• • {Dynamic characteristics of the catheter tip, e.g.	25/013	{One-way gripping collars}
	openable, closable, expandable or deformable}	25/0133	{Tip steering devices}
25/0075	{Valve means}	25/0136	{Handles therefor}
2025/0076	{Unidirectional valves}	25/0138	• • • { having flexible regions as a result of
2025/0078	• • • • {for fluid inflow from the body into the catheter lumen}		weakened outer material, e.g. slots, slits, cuts, joints or coils}
2025/0079	` 1	25/0141	• • • { having flexible regions as a result of
	guidewires, guide tubes, balloon catheters or		using materials with different mechanical
	sheaths, for sealing off an orifice, e.g. a lumen or side holes, of a catheter}		properties}
25/008	Strength or flexibility characteristics of the	25/0144	• • • • {having flexible regions as a result of inner
23/008	catheter tip}	25/01/7	reinforcement means, e.g. struts or rods}
2025/0081	• • • {Soft tip}	25/0147	• • • { with movable mechanical means, e.g. pull wires }
25/0082	• • {Catheter tip comprising a tool}	2025/015	{Details of the distal fixation of the
25/0084	• • {being one or more injection needles}	2023/013	movable mechanical means}
2025/0085	{Multiple injection needles protruding	25/0152	• • • • { with pre-shaped mechanisms, e.g. pre-
	axially, i.e. along the longitudinal axis of the		shaped stylets or pre-shaped outer tubes}
	catheter, from the distal tip}	25/0155	• • • • { with hydraulic or pneumatic means, e.g.
2025/0086	• • • • {the needles having bent tips, i.e. the		balloons or inflatable compartments}
	needle distal tips are angled in relation to	25/0158	• • • { with magnetic or electrical means, e.g.
2025/0005	the longitudinal axis of the catheter}		by using piezo materials, electroactive
2025/008/	{Multiple injection needles protruding laterally from the distal tip}		polymers, magnetic materials or by heating
2025/0089		2025/0161	of shape memory materials}
2023/0007	i.e. along the longitudinal axis of the	2023/0101	• • • {wherein the distal tips have two or more deflection regions}
	catheter, from the distal tip}	2025/0163	{Looped catheters}
2025/009	• • • • { the needle having a bent tip, i.e. the	2025/0166	• • • {Esosped catheters} • • • {Sensors, electrodes or the like for guiding the
	needle distal tip is angled in relation to the	2023/0100	catheter to a target zone, e.g. image guided or
2025/0091	longitudinal axis of the catheter} {the single injection needle being fixed}		magnetically guided}
2025/0091	{Single injection needle protruding laterally	25/0169	• • {Exchanging a catheter while keeping the
2023/0092	from the distal tip}	25/0172	guidewire in place } {Exchanging a guidewire while keeping the
2025/0093	• • • { wherein at least one needle is a	23/01/2	catheter in place
	microneedle}	2025/0175	• • {having telescopic features, interengaging
2025/0095	• • • {being one or more needles protruding from the	2023/01/3	nestable members movable in relations to one
	distal tip and which are not used for injection		another}
	nor for electro-stimulation, e.g. for fixation	2025/0177	()
2027/0004	purposes}		wires or stiffening members, e.g. loops, clamps or
2025/0096	• • • {being laterally outward extensions or tools,		lateral tubes}
25/0007	e.g. hooks or fibres}	2025/018	• • {Catheters having a lateral opening for guiding
25/0097	• {characterised by the hub (connectors A61M 39/10)}	2025/0192	elongated means lateral to the catheter}
2025/0098	• {having a strain relief at the proximal end, e.g.	2025/0183	{Rapid exchange or monorail catheters} {Catheters with fixed wires, i.e. so called "non
2025/0070	sleeve}	2025/0186	over-the-wire catheters"}
25/01	 Introducing, guiding, advancing, emplacing or 	2025/0188	• • {having slitted or breakaway lumens}
	holding catheters (A61M 25/10 takes precedence)	2025/0191	{Suprapubic catheters}
25/0102	• • {Insertion or introduction using an inner	25/0194	• • {Suprapasse cameters} • • {Tunnelling catheters}
	stiffening member, e.g. stylet or push-rod}	2025/0197	• • • (for creating an artificial passage within the
25/0105	• • {Steering means as part of the catheter or		body, e.g. in order to go around occlusions}
	advancing means; Markers for positioning	25/02	• • Holding devices, e.g. on the body
25/0100	(systems for detection of markers <u>A61B</u>)}	2025/0206	• • • {where the catheter is secured by using devices
25/0108 25/0111	 {using radio-opaque or ultrasound markers} {Aseptic insertion devices}		worn by the patient, e.g. belts or harnesses}
25/0111	{Asepute insertion devices} {Mechanical advancing means, e.g. catheter}	2025/0213	• {where the catheter is attached by means
23/0113	dispensers		specifically adapted to a part of the human body}
25/0116	• • • {self-propelled, e.g. autonomous robots	2025/022	• • • {specifically adapted for the mouth}
	(A61M 25/0122 takes precedence)}	2025/0226	{specifically adapted for the model}

2025/0222	(:611	2025/00059 (David standard of said said)
2025/0255	• • • { specifically adapted for attaching to a body wall by means which are on both sides of the	2025/09058 {Basic structures of guide wires} 2025/09066 {having a coil without a core possibly
	wall, e.g. for attaching to an abdominal wall}	combined with a sheath}
2025/024	• • • {having a clip or clamp system}	2025/09075 • • • • {having a core without a coil possibly
	• • • {fixed on the skin having a cover for covering	combined with a sheath}
	the holding means}	2025/09083 {having a coil around a core}
2025/0253	• • { where the catheter is attached by straps, bands	2025/09091 {where a sheath surrounds the coil at the
	or the like secured by adhesives}	distal part}
2025/026	• • • • {where the straps are releasably secured, e.g.	2025/091 {having a lumen for drug delivery or suction}
	by hook and loop-type fastening devices}	2025/09108 {Methods for making a guide wire}
	• • • {using pads, patches, tapes or the like}	2025/09116 {Design of handles or shafts or gripping
2025/0273	• • • {having slits to place the pad around a catheter puncturing site}	surfaces thereof for manipulating guide wires}
2025/028	{having a mainly rigid support structure}	2025/09125 {Device for locking a guide wire in a fixed
	{anchored in the skin by suture or other skin	position with respect to the catheter or the human body}
2023/0200	penetrating devices}	2025/09133 • • • {having specific material compositions or
2025/0293	• • • {Catheter, guide wire or the like with means	coatings; Materials with specific mechanical
	for holding, centering, anchoring or frictionally	behaviours, e.g. stiffness, strength to transmit
	engaging the device within an artificial	torque}
	lumen, e.g. tube (natural lumen, e.g. vessels	2025/09141 {made of shape memory alloys which take a
	<u>A61M 25/04</u>)}	particular shape at a certain temperature}
25/04	in the body, e.g. expansible $\{(\underline{A61M 25/10}, \underline{A61M 16/0488}, A$	2025/0915 • • • {having features for changing the stiffness}
25/06	A61M 16/0488 take precedence)	2025/09158 {when heated}
	 Body-piercing guide needles or the like {"Over-the-needle" catheter assemblies, e.g. 	2025/09166 {having radio-opaque features}
23/0000	I.V. catheters	2025/09175 {having specific characteristics at the distal tip}
25/0612	{Devices for protecting the needle; Devices	2025/09183 {having tools at the distal tip}
23/0012	to help insertion of the needle, e.g. wings or	2025/09191 {made of twisted wires}
	holders}	25/10 • Balloon catheters ({A61M 25/0125 takes precedence; embolectomy A61B 17/22032;
25/0618	{having means for protecting only the distal	retractors A61B 17/02;} inflatable balloons for
	tip of the needle, e.g. a needle guard}	placing stents or stent-grafts A61F 2/958 {; stomach
25/0625	• • • • { with a permanent connection to the	balloons for treatment of obesity A61F 5/0003;
	needle hub, e.g. a guiding rail, a locking	oesophagal tubes A61J 15/00})
	mechanism or a guard advancement	25/1002 • • {characterised by balloon shape ($\underline{A61M 25/1006}$,
25/0631	mechanism} {having means for fully covering the needle	A61M 25/1009 take precedence)}
23/0031	after its withdrawal, e.g. needle being	2025/1004 • • • {Balloons with folds, e.g. folded or
	withdrawn inside the handle or a cover being	multifolded}
	advanced over the needle}	25/1006 . {Balloons formed between concentric tubes}25/1009 . {Balloons anchored to a disc or plate}
25/0637	• • • {Butterfly or winged devices, e.g. for	25/1009 • {Bandons anchored to a disc of plate} 25/1011 • {Multiple balloon catheters}
	facilitating handling or for attachment to the	2025/1013 • • {with concentrically mounted balloons, e.g.
	skin}	being independently inflatable}
25/0643	{Devices having a blunt needle tip, e.g. due	2025/1015 • • • {having two or more independently movable
25/0/5	to an additional inner component}	balloons where the distance between the
	{Guide needles}	balloons can be adjusted, e.g. two balloon
	• • • {having a tip larger than the rest of the body}	catheters concentric to each other forming an
	 {Guide tubes} {splittable, tear apart}	adjustable multiple balloon catheter system}
	{spiritable, teal apart} {Introducing-sheath slitters}	25/1018 • • {Balloon inflating or inflation-control devices}
	{Systems with catheter and outer tubing, e.g.	25/10181 {Means for forcing inflation fluid into the
2023/0001	sheath, sleeve or guide tube}	balloon}
2025/0687	• • • • {having means for atraumatic insertion in	25/10182 {Injector syringes} 25/10183 {Compressible bulbs}
	the body or protection of the tip of the sheath	25/10184 {Means for controlling or monitoring inflation
	during insertion, e.g. special designs of	or deflation}
	dilators, needles or sheaths}	25/10185 {Valves}
	{Flashback chambers}	25/10186 {One-way valves}
	Guide wires	25/10187 {Indicators for the level of inflation or
	• • · {having a balloon}	deflation}
	• • • {with mandrils}	25/10188 {Inflation or deflation data displays}
	• • • {with sliding mandrils}	2025/102 {driven by a solenoid-activated pump}
25/09033	• • • { with fixed mandrils, e.g. mandrils fixed to	2025/1022 {driven by a rotary motor-activated pump}
25/09041	tip; Tensionable wires}• • {Mechanisms for insertion of guide wires}	25/1025 • • {Connections between catheter tubes and
	{Mechanisms for insertion of guide wires} {extendable, e.g. mechanisms for extension}	inflation tubes}
23/0303	• • (CALCHIGADIC, C.g. IIICCHAIRISHIS IUI CALCHISIUII)	

25/1027 {Making of balloon catheters}	2025/1081	• {having sheaths or the like for covering the
25/1029 • • • {Production methods of the balloon members, e.g. blow-moulding, extruding, deposition or by wrapping a plurality of layers of balloon		balloon but not forming a permanent part of the balloon, e.g. retractable, dissolvable or tearable sheaths}
material around a mandril	2025/1084	• • • {having features for increasing the shape
2025/1031 {Surface processing of balloon members, e.g. coating or deposition; Mounting additional		stability, the reproducibility or for limiting expansion, e.g. containments, wrapped around fibres, yarns or strands}
parts onto the balloon member's surface } 25/1034 {Joining of shaft and balloon}	2025/1086	 {having a special balloon surface topography,
25/1036 {Making parts for balloon catheter systems,	2023/1000	e.g. pores, protuberances, spikes or grooves}
e.g. shafts or distal ends (A61M 25/1029 takes precedence)}	2025/1088	• • • {having special surface characteristics depending on material properties or added
25/1038 {Wrapping or folding devices for use with	2025/100	substances, e.g. for reducing friction} {having balloons for removing solid matters,
balloon catheters}	2025/109	• {having balloons for removing solid matters, e.g. by grasping or scraping plaque, thrombus
25/104 . {used for angioplasty} 2025/1043 . {with special features or adapted for special		or other matters that obstruct the flow}
applications}	2025/1093	• • • {having particular tip characteristics}
2025/1045 • • • {for treating bifurcations, e.g. balloons		• • • {with perfusion means for enabling blood
in y-configuration, separate balloons or special features of the catheter for treating bifurcations}		circulation while the balloon is in an inflated state or in a deflated state, e.g. permanent by- pass within catheter shaft}
2025/1047 • • • {having centering means, e.g. balloons having	2025/1097	
an appropriate shape } NOTE		circulation only while the balloon is in an inflated state, e.g. temporary by-pass within
		balloon}
This group also covers balloon catheters with centering means other than centering	27/00	Drainage appliance for wounds or the like {,
means using balloons		i.e. wound drains, implanted drains} ({negative
•		pressure wound therapy devices A61M 1/90;}
2025/105 {having a balloon suitable for drug delivery,		implements for holding wound open A61B 17/02 {;
e.g. by using holes for delivery, drug coating or membranes}	27/002	middle ear drainage <u>A61F 11/202</u> }) • {Implant devices for drainage of body fluids
2025/1052 • • • {for temporarily occluding a vessel for	27/002	from one part of the body to another (intraocular
isolating a sector}		A61F 9/00781; middle ear A61F 11/202)}
2025/1054 {having detachable or disposable balloons}	2027/004	• • {with at least a part of the circuit outside the
2025/1056 {having guide wire lumens outside the main		body}
shaft, i.e. the guide wire lumen is within or on the surface of the balloon}	27/006	• • {Cerebrospinal drainage; Accessories therefor, e.g. valves}
2025/1059 {having different inflatable sections mainly depending on the response to the inflation	27/008	• • {pre-shaped, for use in the urethral or ureteral tract}
pressure, e.g. due to different material	29/00	Dilators with or without means for introducing
properties (with different compartments A61M 2025/1072)}		media, e.g. remedies (instruments for performing
2025/1061 • • {having separate inflations tubes, e.g. coaxial		visual medical inspections of cavities or tubes of the
tubes or tubes otherwise arranged apart from		body <u>A61B 1/00</u>)
the catheter tube}	29/02	. Dilators made of swellable material {(balloon
2025/1063 • • • {having only one lumen used for guide wire and inflation, e.g. to minimise the diameter}	2029/025	 catheters for angioplasty <u>A61M 25/104</u>)} . {characterised by the guiding element}
2025/1065 {having a balloon which is inversely attached	31/00	Devices for introducing or retaining media, e.g.
to the shaft at the distal or proximal end}		remedies, in cavities of the body (A61M 25/00 takes
2025/1068 {having means for varying the length or		precedence {; introducing or retaining ophthalmic
diameter of the deployed balloon, this		products into the ocular cavities A61F 9/0008})
variations could be caused by excess pressure} 2025/107 {having a longitudinal slit in the balloon}	31/002	• {Devices for releasing a drug at a continuous
2025/1072 • • • {having a longitudinal sht in the balloon}		and controlled rate for a prolonged period of time (artificial gland structures or devices
compartments}		A61F 2/022; intra-uterine contraceptive devices
2025/1075 {having a balloon composed of several layers,		A61F 6/14; tampons for introducing into the
e.g. by coating or embedding}		vagina A61F 13/20, A61L 15/00; suppositories
2025/1077 • • • {having a system for expelling the air out of the		or bougies for intra-vaginal or intra-uterine
balloon before inflation and use}		application A61K 9/02; physical forms of medicinal preparations for sustained or differential drug
2025/1079 • • • {having radio-opaque markers in the region of the balloon}		release $\underline{A61K}$ 9/20, $\underline{A61K}$ 9/50)}
the bandon;	31/005	• {for contrast media}
	31/007	• {Injectors for solid bodies, e.g. suppositories}

35/00	Devices for applying media, e.g. remedies, on	2039/0063 {Means for alignment of the septum, e.g. septum
	the human body (devices for handling toiletry or cosmetic substances <u>A45D</u> ; absorbent pads, e.g.	rim with alignment holes \\ 2039/0072 {Means for increasing tightness of the septum,
	swabs, <u>A61F 13/15</u>)	e.g. compression rings, special materials, special
35/003	• {Portable hand-held applicators having means for	constructions}
	dispensing or spreading integral media (hand-held massage devices with liquid delivery A61H 7/003)}	2039/0081 • • { Means for facilitating introduction of a needle in the septum, e.g. guides, special construction of
35/006	 {using sponges, foams, absorbent pads or swabs as spreading means} 	septum} 2039/009 • • {Means for limiting access to the septum, e.g.
35/10	• {Wearable devices, e.g. garments, glasses or masks}	shields, grids}
35/20	• {Non-portable devices, e.g. spraying booths}	39/02 • Access sites
35/25	• • {specially adapted for the application of	2039/0202 • • { for taking samples }
	sunscreen, tanning or self-tanning lotions}	2039/0205 • • {for injecting media}
35/30	• {Gas therapy for therapeutic treatment of the skin}	39/0208 {Subcutaneous access sites for injecting or
37/00	Other apparatus for introducing media into the body (for reproduction or fertilisation A61B 17/425;	removing fluids (transcutaneous access sites A61M 39/0247; implantable infusion devices
	apparatus for iontophoresis or cataphoresis	A61M 5/14276)} 2039/0211 • • • {with multiple chambers in a single site}
	A61N 1/30); Percutany, i.e. introducing medicines	2039/0214 {some or all chambers sharing a single
	into the body by diffusion through the skin (salt baths A61H 33/04)	septum}
2037/0007	• {having means for enhancing the permeation of	2039/0217 {at least some chambers being stacked separated by another septum}
	substances through the epidermis, e.g. using suction or depression, electric or magnetic fields, sound	2039/022 {being accessible from all sides, e.g. due to a
	waves or chemical agents}	cylindrically-shaped septum}
37/0015	• {by using microneedles}	2039/0223 {having means for anchoring the subcutaneous
2037/0023	• • {Drug applicators using microneedles}	access site}
2037/003	• • {having a lumen}	2039/0226 {having means for protecting the interior of the access site from damage due to the insertion of
2037/0038	• • {having a channel at the side surface}	a needle}
2037/0046	• • {Solid microneedles}	2039/0229 • • • {having means for facilitating assembling, e.g.
2037/0053	• • {Methods for producing microneedles}	snap-fit housing or modular design}
2037/0061	• • {Methods for using microneedles}	2039/0232 {having means for facilitating the insertion into
37/0069	 {Devices for implanting pellets, e.g. markers or solid medicaments (for introducing of radioactive 	the body}
	sources for interstitial radiation therapy, i.e.	2039/0235 {having an additional inlet, e.g. for a guidewire
	brachytherapy A61N 5/1027)}	or a catheter tube}
37/0076	• {Tattooing apparatus (apparatus for marking	2039/0238 • • • {having means for locating the implanted device to insure proper injection, e.g. radio-
	animals A01K 11/00; vaccine applicators having	emitter, protuberances, radio-opaque markers}
	needles or other puncturing means A61B 17/205)}	2039/0241 • • • {having means for filtering}
37/0084	 {Tattooing apparatus with incorporated liquid feeding device} 	2039/0244 {having means for detecting an inserted
37/0092	• {using ultrasonic, sonic or infrasonic vibrations, e.g.	needle}
27,00,2	phonophoresis}	39/0247 {Semi-permanent or permanent transcutaneous or percutaneous access sites to the inside of the
		body (peritoneal dialysis catheters A61M 1/285;
		tracheostomy devices A61M 16/0465; measuring
39/00	Tubes, tube connectors, tube couplings, valves,	pressure within the body A61B 5/03; colostomy
23700	access sites or the like, specially adapted for	devices A61F 5/445; gastrotomy feeding tubes
	medical use (for respiratory devices, e.g. tracheal	A61J 15/0015; means for fixing a feeding tube
	tubes A61M 16/00; artificial heart valves A61F 2/24)	outside of the body <u>A61J 15/0053</u>)} 2039/025 • • {through bones or teeth, e.g. through the skull}
	WARNING	2039/0252 • • { full ough boiles of teeth, e.g. through the skull}
	Not complete, see A61J 1/14	2039/0255 {for access to the gastric or digestive system}
	1101 complete, see <u>11013 1/1+</u>	2039/0258 {for vascular access, e.g. blood stream access}
2039/0009	• {Assemblies therefor designed for particular	2039/0261 {Means for anchoring port to the body, or
	applications, e.g. contrast or saline injection, suction	ports having a special shape or being made of
2039/0018	or irrigation} • {designed for flushing a line, e.g. by a by-pass}	a specific material to allow easy implantation/
2039/0018	{ designed for flushing a fine, e.g. by a by-pass} { for mixing several substances from different}	integration in the body}
2037/0027	containers}	2039/0264 { with multiple inlets or multiple outlets } 2039/0267 {comprising sensors or electrical contacts }
2039/0036	• {characterised by a septum having particular	2039/027 • {comprising sensors of electrical contacts}
	features, e.g. having venting channels or being made	(septum <u>A61M 2039/0036</u>)
	from antimicrobial or self-lubricating elastomer}	2039/0273 {for introducing catheters into the body}
2039/0045	(Makinla lawa)	2039/0276 {for introducing or removing fluids into or out
2039/0054	{Multiple layers}	of the body}

2039/0279	• • • {for introducing medical instruments into the	2039/1038 {Union screw connectors, e.g. hollow screw or
	body, e.g. endoscope, surgical tools}	sleeve having external threads}
2039/0282	• • • {with implanted tubes connected to the port}	2039/1044 • • {Verifying the connection, e.g. audible feedback,
2039/0285	• • • {with sterilisation means, e.g. antibacterial	tactile feedback, visual feedback, using external
	coatings, disinfecting pads, UV radiation LEDs	light sources}
	or heating means in the port}	39/105 • • {Multi-channel connectors or couplings, e.g. for
2039/0288	• • • {protectors, caps or covers therefor}	connecting multi-lumen tubes (multi-channel
2039/0291	• • • {method or device for implanting it in the	connectors in general <u>F16L 37/56</u>)}
	body}	39/1055 • • {Rotating or swivel joints (in general
2039/0294	• • • {having a specific shape matching the shape	<u>F16L 27/00</u>)}
	of a tool to be inserted therein, e.g. for easy	2039/1061 • • {Break-apart tubing connectors or couplings}
	introduction, for sealing purposes, guide}	2039/1066 • • {having protection means, e.g. sliding sleeve
2039/0297	• • • {at least part of it being inflatable, e.g. for	to protect connector itself, shrouds to protect
	anchoring, sealing or removing}	a needle present in the connector, protective
39/04	 having pierceable self-sealing members 	housing, isolating sheath}
2039/042	• • • {Shrouds encircling the access needle	2039/1072 • • {with a septum present in the connector}
	preventing accidental needle-stick}	2039/1077 • • {Adapters, e.g. couplings adapting a connector to
39/045	• • • {pre-slit to be pierced by blunt instrument}	one or several other connectors}
2039/047	• • • {the self-sealing member being a viscous fluid}	2039/1083 • • {having a plurality of female connectors, e.g.
39/06	Haemostasis valves, i.e. gaskets sealing around	Luer connectors}
	a needle, catheter or the like, closing on removal	2039/1088 • • {having a plurality of male connectors, e.g. Luer
	thereof	connectors}
39/0606	• • • { without means for adjusting the seal opening	2039/1094 • • {at least partly incompatible with standard
	or pressure (<u>A61M 39/0693</u> takes precedence)}	connectors, e.g. to prevent fatal mistakes in
39/0613	• • • { with means for adjusting the seal opening or	connection}
	pressure (<u>A61M 39/0693</u> takes precedence)}	39/12 for joining a flexible tube to a rigid attachment
2039/062	• • • {used with a catheter}	39/14 for connecting tubes having sealed ends
2039/0626	• • • {used with other surgical instruments, e.g.	{(needle sets A61M 5/162; having valves
	endoscope, trocar}	closing automatically on disconnection of line
2039/0633	• • • {the seal being a passive seal made of a	A61M 39/26)}
	resilient material with or without an opening}	39/143 {both tube ends being sealed by meltable
2039/064	• • • • {Slit-valve}	membranes pierced after connection by use of
2039/0646	• • • • {Duckbill-valve}	heat, e.g. using radiant energy } 39/146 • • {by cutting and welding}
2039/0653	• • • • {Perforated disc}	
2039/066	• • • • {Septum-like element}	39/16 • having provision for disinfection or sterilisation {(A61M 39/143 takes precedence; methods
2039/0666	{Flap-valve}	or apparatus for disinfection or sterilisation
2039/0673	• • • {comprising means actively pressing on the	A61L 2/00)}
	device passing through the seal, e.g. inflatable	39/162 { with antiseptic agent incorporated within the
	seals, diaphragms, clamps}	connector}
2039/068	• • • {having a seal being made of or coated with a	39/165 {Shrouds or protectors for aseptically enclosing
	special material}	the connector}
2039/0686	• • • {comprising more than one seal}	2039/167 • • • { with energizing means, e.g. light, vibration,
39/0693	• • • {including means for seal penetration}	electricity}
39/08	 Tubes; Storage means specially adapted therefor 	39/18 Methods or apparatus for making the
2039/082	• • {Multi-lumen tubes}	connection under sterile conditions, i.e. sterile
2039/085	• • {external enteral feeding tubes (feeding tubes	docking
	inside the stomach or intestines <u>A61J 15/00</u>)}	39/20 • Closure caps or plugs for connectors or open ends of
2039/087	• • {Tools for handling tubes, e.g. crimping tool for	tubes
	connecting tubes to a connector}	2039/205 {comprising air venting means}
39/10	• Tube connectors; Tube couplings {(A61M 39/02	39/22 • Valves or arrangement of valves {(A61M 39/02,
	takes precedence; connecting needles to syringes or	A61M 39/0247, A61M 39/16 take precedence;
	hubs A61M 5/34; connecting catheter tubes to hubs	regulating valves in infusion systems
	<u>A61M 25/0014</u>)}	A61M 5/16881; in devices worn by the patient for
2039/1005	• • {Detection of disconnection}	the reception of urine, faeces, catamenial or other
39/1011	{Locking means for securing connection;	discharge, or in colostomy devices A61F 5/4405)}
	Additional tamper safeties (<u>A61M 39/16</u> takes	39/221 • • {Frangible or pierceable closures within tubing
	precedence)}	(A61M 39/14 takes precedence; frangible
2039/1016	• • {Unlocking means providing a secure or	closures for containers A61J 1/14)}
2022/4777	comfortable disconnection}	2039/222 {frangible within tubing or bags}
2039/1022	• • {additionally providing electrical connection}	39/223 • • {Multiway valves}
2039/1027	• • {Quick-acting type connectors}	2039/224 {of the slide-valve type}
2039/1033	• • {Swivel nut connectors, e.g. threaded connectors,	39/225 • • {Flush valves, i.e. bypass valves for flushing
	bayonet-connectors}	line}

2039/226	(Spindles or actuating means)	39/286	• • • {Wedge clamps, e.g. roller clamps with
39/227	. {Spindles or actuating means}. {Valves actuated by a secondary fluid, e.g.	39/200	inclined guides}
39/228	hydraulically or pneumatically actuated valves} {with a tubular diaphragm constrictable by	39/287	• • • {Wedge formed by a slot having varying width, e.g. slide clamps}
37/220	radial fluid force}	39/288	• • {by bending or twisting the tube}
2039/229	{Stopcocks}	60/00	Blood pumps; Devices for mechanical circulatory
39/24	Check- or non-return valves	00/00	actuation; Balloon pumps for circulatory
2039/2406	• • { designed to quickly shut upon the presence of back-pressure}		assistance (heart stimulation A61H 31/00; heart stimulators for electrotherapy A61N 1/362)
2039/2413	{designed to reduce and or shut-off the		stimulators for electrotherapy Aoriv 1/302)
	flow when a certain maximum flow limit is exceeded}		NOTE In this main group, it is obligatory to classify all
2039/242	{designed to open when a predetermined		In this main group, it is obligatory to classify all aspects of location, type, medical purpose, driving
2007/212	pressure or flow rate has been reached, e.g.		details, control details, and constructional details
	check valve actuated by fluid}		other than driving details that are represented in
2039/2426	• • • {Slit valve}		groups A61M 60/10, A61M 60/20, A61M 60/30,
	• • • {Valve comprising a resilient or deformable		A61M 60/40, A61M 60/50 and A61M 60/80.
	element, e.g. flap valve, deformable disc}		This obligation extends to information that
2039/244	• • • {Hinged closure member, e.g. flap valve}		would normally only be considered as additional
	• • • {Flexible disc}		information.
2039/2453	• • • • {not being fixed to the valve body}		
	• • • • {being fixed along all or a part of its	60/10	 Location thereof with respect to the patient's body
2037/240	periphery}	60/104	Extracorporeal pumps, i.e. the blood being
2039/2466	• • • • {being fixed in its center}	40.44.00	pumped outside the patient's body
	• • • {Valve comprising a non-deformable, movable	60/109	incorporated within extracorporeal blood
2007/2110	element, e.g. ball-valve, valve with movable	60/112	circuits or systems
	stopper or reciprocating element}	60/113	 in other functional devices, e.g. dialysers or heart-lung machines
2039/248	{Ball-valve}	60/117	_
2039/2486	• • • {Guided stem, e.g. reciprocating stopper}	00/11/	for assisting the heart, e.g. transcutaneous or external ventricular assist devices
2039/2493	• • • {Check valve with complex design, e.g. several	60/122	Implantable pumps or pumping devices, i.e. the
	inlets and outlets and several check valves in one body}		blood being pumped inside the patient's body
39/26	Valves closing automatically on disconnecting the	60/126	implantable via, into, inside, in line, branching on, or around a blood vessel
	line and opening on reconnection thereof {(check	60/13	by means of a catheter allowing explantation,
	valves <u>A61M 39/24</u>)}	00/13	e.g. catheter pumps temporarily introduced
2039/261	• • • { where the fluid space within the valve is		via the vascular system
	increasing upon disconnection}	60/135	inside a blood vessel, e.g. using grafting
2039/262	• • • {having a fluid space within the valve	60/139	inside the aorta, e.g. intra-aortic balloon
	remaining the same upon connection and		pumps
2020/262	disconnection, i.e. neutral-drawback valve}	60/143	inside the coronary sinus, e.g. for pressure-
2039/263	• • { where the fluid space within the valve is decreasing upon disconnection}		controlled intermittent coronary sinus
2039/265			occlusion
2039/203	closing an electrical circuit upon connection to	60/148	• • • in line with a blood vessel using resection or
	a female valve portion}		like techniques, e.g. permanent endovascular
2039/266	• • • {where the valve comprises venting channels,	co (1.50	heart assist devices
	e.g. to insure better connection, to help	60/152	branching on and drawing blood from a blood vessel
	decreasing the fluid space upon disconnection,	CO/157	
	or to help the fluid space to remain the same	60/157	 mechanically acting upon the inside of the patient's blood vessel structure, e.g.
	during disconnection}		contractile structures placed inside a vessel
2039/267	• • • {having a sealing sleeve around a tubular or	60/161	mechanically acting upon the outside of
	solid stem portion of the connector}	00/101	the patient's blood vessel structure, e.g.
2039/268	• • • • { wherein the stem portion is moved for		compressive structures placed around a
	opening and closing the valve, e.g. by		vessel
20/29	translation, rotation}	60/165	implantable in, on, or around the heart
39/28	 Clamping means for squeezing flexible tubes, e.g. roller clamps {(tube strippers A61M 1/83)} 	60/17	inside a ventricle, e.g. intraventricular
39/281	• • {Automatic tube cut-off devices, e.g. squeezing		balloon pumps
37/201	tube on detection of air}	60/174	• • • • discharging the blood to the ventricle or
2039/282	{including severing of the tube}		arterial system via a cannula internal to the
39/283	{Screw clamps}	-0 H==	ventricle or arterial system
39/284	{Lever clamps}	60/178	drawing blood from a ventricle and returning
39/285	{Cam clamps, e.g. roller clamps with eccentric		the blood to the arterial system via a cannula
23,203	axis}		external to the ventricle, e.g. left or right ventricular assist devices
	,		ventricular assist ucvices

60/183	• • • • drawing blood from both ventricles, e.g. bi-ventricular assist devices [BiVAD]	60/408	• • • the force acting on the blood contacting member being mechanical, e.g. transmitted by a
60/187	mechanically acting upon the inside of		shaft or cable
	the patient's native heart, e.g. contractile	60/411	generated by an electromotor
	structures placed inside the heart	60/414	transmitted by a rotating cable, e.g. for
60/191	mechanically acting upon the outside of		blood pumps mounted on a catheter
	the patient's native heart, e.g. compressive	60/416	• • • transmitted directly by the motor rotor
	structures placed around the heart		drive shaft
60/196	• • replacing the entire heart, e.g. total artificial	60/419	the force acting on the blood contacting
	hearts [TAH]		member being permanent magnetic, e.g. from a
60/20	• Type thereof		rotating magnetic coupling between driving and
60/205	 Non-positive displacement blood pumps 		driven magnets
60/211	using a jet, venturi or entrainment effect for	60/422	• • • the force acting on the blood contacting
	pumping the blood		member being electromagnetic, e.g. using
60/216	including a rotating member acting on the		canned motor pumps
	blood, e.g. impeller	60/424	for positive displacement blood pumps
60/221	• • • the blood flow through the rotating member	60/427	the force acting on the blood contacting
	having both radial and axial components, e.g.		member being hydraulic or pneumatic
	mixed flow pumps	60/43	using vacuum at the blood pump, e.g. to
60/226	• • • the blood flow through the rotating member		accelerate filling
	having mainly radial components	60/432	with diastole or systole switching by
60/232	Centrifugal pumps		stopping or reversing the blood pump
60/237	the blood flow through the rotating member		operating at a much higher cyclical speed
	having mainly axial components, e.g. axial	-0/ 10-	than the heart beat
	flow pumps	60/435	with diastole or systole switching by valve
60/242	• • • • with the outlet substantially perpendicular		means located between the blood pump and
	to the axis of rotation	60/400	the hydraulic or pneumatic energy source
60/247	 Positive displacement blood pumps 	60/438	the force acting on the blood contacting
60/253	including a displacement member directly	60/441	member being mechanical
	acting on the blood	60/441	generated by an electromotor
60/258	Piston pumps	60/443	with means converting the rotation into a translational movement of the
60/263	• • • • having a spherical housing, e.g. cardan		displacement member
	pumps	60/446	the axis of both movements being
60/268	• • • the displacement member being flexible, e.g.	00/440	parallel, e.g. roller screw actuators or
	membranes, diaphragms or bladders		cylindrical cam transmissions
60/274	• • • • the inlet and outlet being the same, e.g.	60/449	generated by a solenoid
40 / 4 = 0	para-aortic counter-pulsation blood pumps	60/451	generated by electro-thermomechanical
60/279	Peristaltic pumps, e.g. roller pumps	00/431	actuators, e.g. shape memory alloy actuators
60/284	Linear peristaltic pumps	60/454	• • • • generated by electro-active actuators,
60/289	. Devices for mechanical circulatory actuation	00/151	e.g. using electro-active polymers or
	assisting the residual heart function by means		piezoelectric elements
	mechanically acting upon the patient's native heart or blood vessel structure, e.g. direct cardiac	60/457	the force acting on the blood contacting
	compression [DCC] devices		member being magnetic
60/295	Balloon pumps for circulatory assistance	60/459	generated by permanent magnets
60/20	Medical purposes thereof other than the	60/462	Electromagnetic force
00/30	enhancement of the cardiac output	60/465	• • for devices for mechanical circulatory actuation
60/31	• for enhancement of <u>in vivo</u> organ perfusion, e.g.	60/468	• • • the force acting on the actuation means being
00/31	retroperfusion		hydraulic or pneumatic
60/32	of heart muscle tissues, e.g. using coronary	60/47	the force acting on the actuation means being
00/32	sinus occlusion		mechanical, e.g. mechanically driven members
60/33	• • • of kidneys		clamping a blood vessel
60/34	 for enhancement of circulation to the extremities, 	60/473	generated by an electromotor
00/34	e.g. the feet	60/476	with means converting the rotation
60/35	• for specific surgeries, e.g. for Fontan procedure		into a translational movement of the
60/36	 for specific stargeries, e.g. for Fondan procedure for specific blood treatment; for specific therapy 		displacement member
60/30	Haemodialysis, haemofiltration or diafiltration	60/478	the axis of both movements being
60/38	Blood oxygenation		parallel, e.g. roller screw actuators or
60/39	for blood transfusion		cylindrical cam transmissions
60/39		60/481	generated by a solenoid
60/403	. Details relating to driving	60/484	generated by electro-thermomechanical
	for non-positive displacement blood pumps		actuators, e.g. shape memory alloy actuators
60/405	the force acting on the blood contacting member being hydraulic or pneumatic		
	INCHIDCE DOING HVULAUTIC OF DHCUHIAUC		

member being hydraulic or pneumatic

60/406		60 (0.55	T 1 - 11 11 1 1 1
60/486	generated by electro-active actuators,	60/857	Implantable blood tubes
	e.g. using electro-active polymers or	60/859	Connections therefor
60/400	piezoelectric elements	60/861	Connections or anchorings for connecting or
60/489	• • • the force acting on the actuation means being		anchoring pumps or pumping devices to parts
	magnetic		of the patient's body
60/492	generated by permanent magnets	60/863	Apex rings
60/495	Electromagnetic force	60/865	Devices for guiding or inserting pumps or
60/497	for balloon pumps for circulatory assistance		pumping devices into the patient's body
60/50	 Details relating to control 	60/867	• • • using position detection during deployment,
60/508	Electronic control means, e.g. for feedback		e.g. for blood pumps mounted on and driven
	regulation		through a catheter
60/515	Regulation using real-time patient data	60/869	Compliance chambers containing a gas or
60/523	using blood flow data, e.g. from blood flow		liquid other than blood to compensate volume
	transducers		variations of a blood chamber
60/531	using blood pressure data, e.g. from blood	60/871	• • • Energy supply devices; Converters therefor
	pressure sensors	60/873	specially adapted for wireless or
60/538	Regulation using real-time blood pump		transcutaneous energy transfer [TET], e.g.
	operational parameter data, e.g. motor current		inductive charging
60/546	of blood flow, e.g. by adapting rotor speed	60/875	specially adapted for optimising alignment
60/554	of blood pressure		of external and implantable coils
60/562	• • • for making blood flow pulsatile in blood pumps	60/876	Implantable batteries
00/302	that do not intrinsically create pulsatile flow	60/878	Electrical connections within the patient's
60/569	synchronous with the native heart beat		body
	-	60/88	Percutaneous cables
60/577	High-frequency driving	60/882	Devices powered by the patient, e.g. skeletal
60/585	User interfaces	00/002	muscle powered devices
60/592	Communication of patient or blood pump data to	60/884	being associated to additional implantable
	distant operators for treatment purposes	00/004	blood treating devices
60/80	Constructional details other than related to driving	60/886	Blood oxygenators
60/802	 of non-positive displacement blood pumps 		Blood oxygenators
60/804	Impellers	60/888	
60/806	Vanes or blades	60/89	Valves
60/808	specially adapted for deformable	60/892	Active valves, i.e. actuated by an external
	impellers, e.g. expandable impellers		force
60/81	Pump housings	60/894	Passive valves, i.e. valves actuated by the
60/812	Vanes or blades, e.g. static flow guides		blood
60/814	· · · · Volutes	60/896	having flexible or resilient parts, e.g. flap
60/816	Sensors arranged on or in the housing, e.g.		valves
	ultrasound flow sensors	60/898	the blood pump being a membrane blood
60/818	Bearings		pump and the membrane acting as inlet valve
60/82	Magnetic bearings	60/90	• Details not provided for in groups A61M 60/40,
60/822	specially adapted for being actively		<u>A61M 60/50</u> or <u>A61M 60/80</u>
00/022	controlled	99/00	Subject matter not provided for in other groups of
60/824	Hydrodynamic or fluid film bearings	33700	this subclass
60/825	Contact bearings, e.g. ball-and-cup or pivot		viis subclass
00/623	bearings	2202/00	Special media to be introduced, removed or
60/827	Sealings between moving parts		treated (applying radioactive material A61N 5/1028)
	having a purge fluid supply		
60/829	naving a purge tillia supply		
			<u>NOTE</u>
60/831	• • • • using filtered blood as purge fluid		The classification symbols
60/833	 using filtered blood as purge fluid Occluders for preventing backflow		
60/833 60/835	 using filtered blood as purge fluid Occluders for preventing backflow . of positive displacement blood pumps 		The classification symbols
60/833	 using filtered blood as purge fluid Occluders for preventing backflow . of positive displacement blood pumps Aspects of flexible displacement members, e.g. 		The classification symbols <u>A61M 2202/0007</u> - <u>A61M 2202/0092</u> are not listed first when assigned to patent documents.
60/833 60/835 60/837	 using filtered blood as purge fluid Occluders for preventing backflow of positive displacement blood pumps Aspects of flexible displacement members, e.g. shapes or materials 		The classification symbols A61M 2202/0007 - A61M 2202/0092 are not listed first when assigned to patent documents. They are used only when associated to other
60/833 60/835 60/837 60/839	 using filtered blood as purge fluid Occluders for preventing backflow of positive displacement blood pumps Aspects of flexible displacement members, e.g. shapes or materials of devices for mechanical circulatory actuation 		The classification symbols A61M 2202/0007 - A61M 2202/0092 are not listed first when assigned to patent documents. They are used only when associated to other subgroups of A61M 2202/00 in combination sets
60/833 60/835 60/837	 using filtered blood as purge fluid Occluders for preventing backflow of positive displacement blood pumps Aspects of flexible displacement members, e.g. shapes or materials of devices for mechanical circulatory actuation of balloon pumps for circulatory assistance 		The classification symbols A61M 2202/0007 - A61M 2202/0092 are not listed first when assigned to patent documents. They are used only when associated to other subgroups of A61M 2202/00 in combination sets Example:
60/833 60/835 60/837 60/839	 using filtered blood as purge fluid Occluders for preventing backflow of positive displacement blood pumps Aspects of flexible displacement members, e.g. shapes or materials of devices for mechanical circulatory actuation 		The classification symbols A61M 2202/0007 - A61M 2202/0092 are not listed first when assigned to patent documents. They are used only when associated to other subgroups of A61M 2202/00 in combination sets
60/833 60/835 60/837 60/839 60/841	 using filtered blood as purge fluid Occluders for preventing backflow of positive displacement blood pumps Aspects of flexible displacement members, e.g. shapes or materials of devices for mechanical circulatory actuation of balloon pumps for circulatory assistance 	2202/0007	The classification symbols A61M 2202/0007 - A61M 2202/0092 are not listed first when assigned to patent documents. They are used only when associated to other subgroups of A61M 2202/00 in combination sets Example: A61M 2202/0417, A61M 2202/0057
60/833 60/835 60/837 60/839 60/841 60/843	 using filtered blood as purge fluid Occluders for preventing backflow of positive displacement blood pumps Aspects of flexible displacement members, e.g. shapes or materials of devices for mechanical circulatory actuation of balloon pumps for circulatory assistance Balloon aspects, e.g. shapes or materials of extracorporeal blood pumps 	2202/0007 2202/0014	The classification symbols A61M 2202/0007 - A61M 2202/0092 are not listed first when assigned to patent documents. They are used only when associated to other subgroups of A61M 2202/00 in combination sets Example: A61M 2202/0417, A61M 2202/0057 • introduced into the body
60/833 60/835 60/837 60/839 60/841 60/843 60/845	 using filtered blood as purge fluid Occluders for preventing backflow of positive displacement blood pumps Aspects of flexible displacement members, e.g. shapes or materials of devices for mechanical circulatory actuation of balloon pumps for circulatory assistance Balloon aspects, e.g. shapes or materials of extracorporeal blood pumps arranged in a cassette 	2202/0014	The classification symbols A61M 2202/0007 - A61M 2202/0092 are not listed first when assigned to patent documents. They are used only when associated to other subgroups of A61M 2202/00 in combination sets Example: A61M 2202/0417, A61M 2202/0057 • introduced into the body • removed from the body
60/833 60/835 60/837 60/839 60/841 60/843 60/845 60/847	 using filtered blood as purge fluid Occluders for preventing backflow of positive displacement blood pumps Aspects of flexible displacement members, e.g. shapes or materials of devices for mechanical circulatory actuation of balloon pumps for circulatory assistance Balloon aspects, e.g. shapes or materials of extracorporeal blood pumps arranged in a cassette Disposable parts 		The classification symbols A61M 2202/0007 - A61M 2202/0092 are not listed first when assigned to patent documents. They are used only when associated to other subgroups of A61M 2202/00 in combination sets Example: A61M 2202/0417, A61M 2202/0057 introduced into the body removed from the body removed from and reintroduced into the body, e.g.
60/833 60/835 60/837 60/839 60/841 60/843 60/845 60/847 60/849 60/851	 using filtered blood as purge fluid Occluders for preventing backflow of positive displacement blood pumps Aspects of flexible displacement members, e.g. shapes or materials of devices for mechanical circulatory actuation of balloon pumps for circulatory assistance Balloon aspects, e.g. shapes or materials of extracorporeal blood pumps arranged in a cassette Disposable parts Valves 	2202/0014 2202/0021	The classification symbols A61M 2202/0007 - A61M 2202/0092 are not listed first when assigned to patent documents. They are used only when associated to other subgroups of A61M 2202/00 in combination sets Example: A61M 2202/0417, A61M 2202/0057 • introduced into the body • removed from the body • removed from and reintroduced into the body, e.g. after treatment
60/833 60/835 60/837 60/839 60/841 60/843 60/845 60/847	 using filtered blood as purge fluid Occluders for preventing backflow of positive displacement blood pumps Aspects of flexible displacement members, e.g. shapes or materials of devices for mechanical circulatory actuation of balloon pumps for circulatory assistance Balloon aspects, e.g. shapes or materials of extracorporeal blood pumps arranged in a cassette Disposable parts Valves the valve being formed by a flexible tube 	2202/0014 2202/0021 2202/0028	The classification symbols A61M 2202/0007 - A61M 2202/0092 are not listed first when assigned to patent documents. They are used only when associated to other subgroups of A61M 2202/00 in combination sets Example: A61M 2202/0417, A61M 2202/0057 • introduced into the body • removed from the body • removed from and reintroduced into the body, e.g. after treatment • fluid entering a filter
60/833 60/835 60/837 60/839 60/841 60/843 60/845 60/847 60/849 60/851	 using filtered blood as purge fluid Occluders for preventing backflow of positive displacement blood pumps Aspects of flexible displacement members, e.g. shapes or materials of devices for mechanical circulatory actuation of balloon pumps for circulatory assistance Balloon aspects, e.g. shapes or materials of extracorporeal blood pumps arranged in a cassette Disposable parts Valves the valve being formed by a flexible tube element which is clamped for restricting the 	2202/0014 2202/0021	The classification symbols A61M 2202/0007 - A61M 2202/0092 are not listed first when assigned to patent documents. They are used only when associated to other subgroups of A61M 2202/00 in combination sets Example: A61M 2202/0417, A61M 2202/0057 introduced into the body removed from the body removed from and reintroduced into the body, e.g. after treatment fluid entering a filter fluid leaving the cross-flow filter without having
60/833 60/835 60/837 60/839 60/841 60/843 60/845 60/847 60/849 60/851	 using filtered blood as purge fluid Occluders for preventing backflow of positive displacement blood pumps Aspects of flexible displacement members, e.g. shapes or materials of devices for mechanical circulatory actuation of balloon pumps for circulatory assistance Balloon aspects, e.g. shapes or materials of extracorporeal blood pumps arranged in a cassette Disposable parts Valves the valve being formed by a flexible tube 	2202/0014 2202/0021 2202/0028	The classification symbols A61M 2202/0007 - A61M 2202/0092 are not listed first when assigned to patent documents. They are used only when associated to other subgroups of A61M 2202/00 in combination sets Example: A61M 2202/0417, A61M 2202/0057 • introduced into the body • removed from the body • removed from and reintroduced into the body, e.g. after treatment • fluid entering a filter

2202/0042 • filtrate, i.e. the fluid passing through the filter		 non-physiological
2202/005 • residue retained by the filter due to size		cardioplegic
2202/0057 • retained by adsorption	2202/0472	cryo-cardioplegic
2202/0064 • changed by biological action	2202/0474	haemodiluting
2202/0071 • product to be retained or harvested, e.g. by pheresis	2202/0476 .	Oxygenated solutions
2202/0078 . changed by chemical action	2202/0478 .	Heparin
2202/0085 • product washed out	2202/048	. Anaesthetics (see also A61M 19/00)
2202/0092 • starting product created by centrifuging	2202/0482	Enteral feeding product
2202/02 • Gases	2202/0484	Alcohol
2202/0208 Oxygen	2202/0486	Glucose
2202/0216 Ozone	2202/0488	Surfactant, e.g. for the lung
2202/0225 . Carbon oxides, e.g. Carbon dioxide	2202/049	Toxic
2202/0233 Carbon monoxide	2202/0492	• Pleural
2202/0241 Anaesthetics; Analgesics	2202/0494 .	Obstetrical, amniotic fluid
2202/025 Helium	2202/0496 .	• Urine
2202/0258 Krypton (KR)	2202/0498	Urea
2202/0266 Nitrogen (N)	2202/06	Solids
2202/0275 Nitric oxide [NO]	2202/062	• Desiccants
2202/0283 Nitrous oxide (N ₂ O)	2202/064	• Powder
2202/0291 • • Xenon		• • made from a compacted product by abrading
2202/03 • Gases in liquid phase, e.g. cryogenic liquids		• Faeces; Excretions
2202/04 • Liquids		Proteins
2202/0401 • Ascitics		Lipoids
2202/0403 Gall; Bile		Body tissue
2202/0405 Lymph		Sweat glands
2202/0407 Lymphocytes		• Collagen
2202/0409 B-Lymphocytes		• endothelial cells
2202/0411 T-Lymphocytes		Bone-marrow
2202/0413 Blood		Pathogenic agents
2202/0415 Plasma		Bacteria
2202/0417 Immunoglobulin		· Viruses
2202/0419 Immunoglobulin G		Vaccines
2202/0419 Immunoglobulin G 2202/0421 Beta-2-microglobulin	2202/30 . 2205/00 .	Vaccines General characteristics of the apparatus
2202/0419 Immunoglobulin G 2202/0421 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma	2202/30 . 2205/00 . 2205/02 .	Vaccines General characteristics of the apparatus characterised by a particular materials
2202/0419 Immunoglobulin G 2202/0421 Beta-2-microglobulin	2202/30 . 2205/00 . 2205/02 .	Vaccines General characteristics of the apparatus characterised by a particular materials Materials having antiseptic or antimicrobial
2202/0419 Immunoglobulin G 2202/0421 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma without fibrinogen 2202/0425 Thrombin	2202/30 . 2205/00 . 2205/02 .	Vaccines General characteristics of the apparatus characterised by a particular materials Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with
2202/0429 Immunoglobulin G 2202/0421 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma without fibrinogen 2202/0425 Thrombin 2202/0427 Platelets; Thrombocytes	2202/30 . 2205/00 . 2205/02 . 2205/0205 .	Vaccines General characteristics of the apparatus characterised by a particular materials Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent
 2202/0419 Immunoglobulin G 2202/0421 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma without fibrinogen 2202/0425 Thrombin 2202/0427 Platelets; Thrombocytes 2202/0429 Red blood cells; Erythrocytes 	2202/30 . 2205/00 . 2205/02 . 2205/0205 . 2205/0211 .	Vaccines General characteristics of the apparatus characterised by a particular materials Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent Ceramics
2202/0421 Immunoglobulin G 2202/0421 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma without fibrinogen 2202/0425 Thrombin 2202/0427 Platelets; Thrombocytes 2202/0429 Red blood cells; Erythrocytes 2202/0431 Gerocytes	2202/30 . 2205/00 . 2205/02 . 2205/0205 .	Vaccines General characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for
2202/0421 Immunoglobulin G 2202/0421 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma without fibrinogen 2202/0425 Thrombin 2202/0427 Platelets; Thrombocytes 2202/0429 Red blood cells; Erythrocytes 2202/0431 Gerocytes 2202/0433 Free haemoglobin	2202/30 .	Vaccines General characteristics of the apparatus characterised by a particular materials Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent Ceramics Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking
2202/0421 Immunoglobulin G 2202/0421 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma without fibrinogen 2202/0425 Thrombin 2202/0427 Platelets; Thrombocytes 2202/0429 Red blood cells; Erythrocytes 2202/0431 Gerocytes 2202/0433 Free haemoglobin 2202/0435 Neocytes, e.g. reticulocytes	2202/30 .	Vaccines General characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking . Materials for reducing friction
2202/0421 Immunoglobulin G 2202/0421 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma without fibrinogen 2202/0425 Thrombin 2202/0427 Platelets; Thrombocytes 2202/0429 Red blood cells; Erythrocytes 2202/0431 Gerocytes 2202/0433 Free haemoglobin 2202/0435 Neocytes, e.g. reticulocytes 2202/0437 Blood stem cells	2202/30 .	Vaccines General characteristics of the apparatus characterised by a particular materials Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent Ceramics Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking Materials for reducing friction Materials having sensing or indicating function,
2202/0421 Immunoglobulin G 2202/0421 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma without fibrinogen 2202/0425 Thrombin 2202/0427 Platelets; Thrombocytes 2202/0429 Red blood cells; Erythrocytes 2202/0431 Gerocytes 2202/0433 Free haemoglobin 2202/0435 Neocytes, e.g. reticulocytes 2202/0437 Blood stem cells 2202/0439 White blood cells; Leucocytes (lymphocytes	2202/30	Vaccines General characteristics of the apparatus characterised by a particular materials Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent Ceramics Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking Materials for reducing friction Materials having sensing or indicating function, e.g. indicating a pressure increase
2202/0419	2202/30	Vaccines General characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking . Materials for reducing friction . Materials having sensing or indicating function, e.g. indicating a pressure increase . Conductive materials, e.g. antistatic coatings for
2202/0421 Immunoglobulin G 2202/0421 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma without fibrinogen 2202/0425 Thrombin 2202/0427 Platelets; Thrombocytes 2202/0429 Red blood cells; Erythrocytes 2202/0431 Gerocytes 2202/0433 Free haemoglobin 2202/0435 Neocytes, e.g. reticulocytes 2202/0437 Blood stem cells 2202/0439 White blood cells; Leucocytes (lymphocytes A61M 2202/0407) 2202/0441 Granulocytes, i.e. leucocytes containing	2202/30	Vaccines General characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking . Materials for reducing friction . Materials having sensing or indicating function, e.g. indicating a pressure increase . Conductive materials, e.g. antistatic coatings for spark prevention
2202/0421 Immunoglobulin G 2202/0421 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma without fibrinogen 2202/0425 Thrombin 2202/0427 Platelets; Thrombocytes 2202/0429 Red blood cells; Erythrocytes 2202/0431 Gerocytes 2202/0433 Free haemoglobin 2202/0435 Neocytes, e.g. reticulocytes 2202/0437 Blood stem cells 2202/0439 White blood cells; Leucocytes (lymphocytes A61M 2202/0407) 2202/0441 Granulocytes, i.e. leucocytes containing many granules in their cytoplasm	2202/30	Vaccines General characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking . Materials for reducing friction . Materials having sensing or indicating function, e.g. indicating a pressure increase . Conductive materials, e.g. antistatic coatings for spark prevention . the material being a coating or protective layer
2202/0421 Immunoglobulin G 2202/0421 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma without fibrinogen 2202/0425 Thrombin 2202/0427 Platelets; Thrombocytes 2202/0429 Red blood cells; Erythrocytes 2202/0431 Gerocytes 2202/0433 Free haemoglobin 2202/0435 Neocytes, e.g. reticulocytes 2202/0437 Blood stem cells 2202/0439 White blood cells; Leucocytes (lymphocytes A61M 2202/0407) 2202/0441 Granulocytes, i.e. leucocytes containing many granules in their cytoplasm 2202/0443 Macrophages, e.g. monocytes	2202/30	Vaccines General characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking . Materials for reducing friction . Materials having sensing or indicating function, e.g. indicating a pressure increase . Conductive materials, e.g. antistatic coatings for spark prevention . the material being a coating or protective layer . Micromachined materials, e.g. made from silicon
2202/0421 Immunoglobulin G 2202/0421 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma without fibrinogen 2202/0425 Thrombin 2202/0427 Platelets; Thrombocytes 2202/0429 Red blood cells; Erythrocytes 2202/0431 Gerocytes 2202/0433 Free haemoglobin 2202/0435 Neocytes, e.g. reticulocytes 2202/0437 Blood stem cells 2202/0439 White blood cells; Leucocytes (lymphocytes A61M 2202/0407) 2202/0441 Granulocytes, i.e. leucocytes containing many granules in their cytoplasm	2202/30	Vaccines General characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking . Materials for reducing friction . Materials having sensing or indicating function, e.g. indicating a pressure increase . Conductive materials, e.g. antistatic coatings for spark prevention . the material being a coating or protective layer . Micromachined materials, e.g. made from silicon wafers, microelectromechanical systems [MEMS]
2202/0421 Immunoglobulin G 2202/0421 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma without fibrinogen 2202/0425 Thrombin 2202/0427 Platelets; Thrombocytes 2202/0429 Red blood cells; Erythrocytes 2202/0431 Gerocytes 2202/0433 Free haemoglobin 2202/0435 Neocytes, e.g. reticulocytes 2202/0437 Blood stem cells 2202/0439 White blood cells; Leucocytes (lymphocytes A61M 2202/0407) 2202/0441 Granulocytes, i.e. leucocytes containing many granules in their cytoplasm 2202/0443 Macrophages, e.g. monocytes 2202/0445 Proteins (immunoglobulin A61M 2202/0417;	2202/30	Vaccines General characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking . Materials for reducing friction . Materials having sensing or indicating function, e.g. indicating a pressure increase . Conductive materials, e.g. antistatic coatings for spark prevention . the material being a coating or protective layer . Micromachined materials, e.g. made from silicon wafers, microelectromechanical systems [MEMS] or comprising nanotechnology
2202/0421 Immunoglobulin G 2202/0423 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma without fibrinogen 2202/0425 Thrombin 2202/0427 Platelets; Thrombocytes 2202/0429 Red blood cells; Erythrocytes 2202/0431 Gerocytes 2202/0433 Free haemoglobin 2202/0435 Neocytes, e.g. reticulocytes 2202/0437 Blood stem cells 2202/0439 White blood cells; Leucocytes (lymphocytes A61M 2202/0407) 2202/0441 Granulocytes, i.e. leucocytes containing many granules in their cytoplasm 2202/0443 Macrophages, e.g. monocytes 2202/0445 Proteins (immunoglobulin A61M 2202/0417; beta-2-microglobulin A61M 2202/0421;	2202/30	Vaccines General characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking . Materials for reducing friction . Materials having sensing or indicating function, e.g. indicating a pressure increase . Conductive materials, e.g. antistatic coatings for spark prevention . the material being a coating or protective layer . Micromachined materials, e.g. made from silicon wafers, microelectromechanical systems [MEMS] or comprising nanotechnology . Materials providing resistance against corrosion
2202/0421 Immunoglobulin G 2202/0421 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma without fibrinogen 2202/0425 Thrombin 2202/0427 Platelets; Thrombocytes 2202/0429 Red blood cells; Erythrocytes 2202/0431 Gerocytes 2202/0433 Free haemoglobin 2202/0435 Neocytes, e.g. reticulocytes 2202/0437 Blood stem cells 2202/0439 White blood cells; Leucocytes (lymphocytes A61M 2202/0407) 2202/0441 Granulocytes, i.e. leucocytes containing many granules in their cytoplasm 2202/0443 Macrophages, e.g. monocytes 2202/0445 Proteins (immunoglobulin A61M 2202/0417; beta-2-microglobulin A61M 2202/0421; thrombin A61M 2202/0425; haemoglobin	2205/02 . 2205/0211 . 2205/0216 . 2205/0222 . 2205/0227 . 2205/0233 . 2205/0238 . 2205/0244 . 2205/025 . 2205/0255	Vaccines General characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking . Materials for reducing friction . Materials having sensing or indicating function, e.g. indicating a pressure increase . Conductive materials, e.g. antistatic coatings for spark prevention . the material being a coating or protective layer . Micromachined materials, e.g. made from silicon wafers, microelectromechanical systems [MEMS] or comprising nanotechnology . Materials providing resistance against corrosion . in acidic environments or acidic fluids
2202/0421 Immunoglobulin G 2202/0421 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma without fibrinogen 2202/0425 Thrombin 2202/0427 Platelets; Thrombocytes 2202/0429 Red blood cells; Erythrocytes 2202/0431 Gerocytes 2202/0433 Free haemoglobin 2202/0435 Neocytes, e.g. reticulocytes 2202/0437 Blood stem cells 2202/0439 White blood cells; Leucocytes (lymphocytes A61M 2202/0407) 2202/0441 Granulocytes, i.e. leucocytes containing many granules in their cytoplasm 2202/0443 Macrophages, e.g. monocytes 2202/0445 Proteins (immunoglobulin A61M 2202/0417; beta-2-microglobulin A61M 2202/0425; haemoglobin A61M 2202/0425; haemoglobin A61M 2202/0423)	2205/020	Vaccines General characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking . Materials for reducing friction . Materials having sensing or indicating function, e.g. indicating a pressure increase . Conductive materials, e.g. antistatic coatings for spark prevention . the material being a coating or protective layer . Micromachined materials, e.g. made from silicon wafers, microelectromechanical systems [MEMS] or comprising nanotechnology . Materials providing resistance against corrosion . in acidic environments or acidic fluids . in alcalic environments or alcalic fluids
2202/0421 Immunoglobulin G 2202/0421 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma without fibrinogen 2202/0425 Thrombin 2202/0427 Platelets; Thrombocytes 2202/0429 Red blood cells; Erythrocytes 2202/0431 Gerocytes 2202/0433 Free haemoglobin 2202/0435 Neocytes, e.g. reticulocytes 2202/0437 Blood stem cells 2202/0439 White blood cells; Leucocytes (lymphocytes A61M 2202/0407) 2202/0441 Granulocytes, i.e. leucocytes containing many granules in their cytoplasm 2202/0443 Macrophages, e.g. monocytes 2202/0445 Proteins (immunoglobulin A61M 2202/0417; beta-2-microglobulin A61M 2202/0421; thrombin A61M 2202/0425; haemoglobin A61M 2202/0433) 2202/0447 Glycoproteins	2205/020	Vaccines General characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking . Materials for reducing friction . Materials having sensing or indicating function, e.g. indicating a pressure increase . Conductive materials, e.g. antistatic coatings for spark prevention . the material being a coating or protective layer . Micromachined materials, e.g. made from silicon wafers, microelectromechanical systems [MEMS] or comprising nanotechnology . Materials providing resistance against corrosion . in acidic environments or acidic fluids . in alcalic environments or alcalic fluids
2202/0421 Immunoglobulin G 2202/0423 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma without fibrinogen 2202/0425 Thrombin 2202/0427 Platelets; Thrombocytes 2202/0429 Red blood cells; Erythrocytes 2202/0431 Gerocytes 2202/0433 Free haemoglobin 2202/0435 Neocytes, e.g. reticulocytes 2202/0437 Blood stem cells 2202/0439 White blood cells; Leucocytes (lymphocytes A61M 2202/0407) 2202/0441 Granulocytes, i.e. leucocytes containing many granules in their cytoplasm 2202/0443 Macrophages, e.g. monocytes 2202/0445 Proteins (immunoglobulin A61M 2202/0417; beta-2-microglobulin A61M 2202/0421; thrombin A61M 2202/0425; haemoglobin A61M 2202/0425; haemoglobin A61M 2202/0433) 2202/0447 Glycoproteins 2202/0449 Fibrinogen, also called factor 1	2205/02	Vaccines General characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking . Materials for reducing friction . Materials having sensing or indicating function, e.g. indicating a pressure increase . Conductive materials, e.g. antistatic coatings for spark prevention . the material being a coating or protective layer . Micromachined materials, e.g. made from silicon wafers, microelectromechanical systems [MEMS] or comprising nanotechnology . Materials providing resistance against corrosion . in acidic environments or acidic fluids . in alcalic environments or alcalic fluids . Shape memory materials . Electro-active or magneto-active materials
2202/0421 Immunoglobulin G 2202/0423 Beta-2-microglobulin 2202/0423 Serum; Human serous fluid, i.e. plasma without fibrinogen 2202/0425 Thrombin 2202/0427 Platelets; Thrombocytes 2202/0429 Red blood cells; Erythrocytes 2202/0431 Gerocytes 2202/0433 Free haemoglobin 2202/0435 Neocytes, e.g. reticulocytes 2202/0437 Blood stem cells 2202/0439 White blood cells; Leucocytes (lymphocytes A61M 2202/0407) 2202/0441 Granulocytes, i.e. leucocytes containing many granules in their cytoplasm 2202/0443 Macrophages, e.g. monocytes 2202/0445 Proteins (immunoglobulin A61M 2202/0417; beta-2-microglobulin A61M 2202/0421; thrombin A61M 2202/0425; haemoglobin A61M 2202/0433) 2202/0447 Glycoproteins 2202/0449 Fibrinogen, also called factor 1 2202/0445 Fibrin	2205/02	Vaccines General characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking . Materials for reducing friction . Materials having sensing or indicating function, e.g. indicating a pressure increase . Conductive materials, e.g. antistatic coatings for spark prevention . the material being a coating or protective layer . Micromachined materials, e.g. made from silicon wafers, microelectromechanical systems [MEMS] or comprising nanotechnology . Materials providing resistance against corrosion . in acidic environments or acidic fluids . in alcalic environments or alcalic fluids . Shape memory materials . Electro-active or magneto-active materials . Chemo-active materials
2202/0419	2205/020	Ceneral characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking . Materials for reducing friction . Materials having sensing or indicating function, e.g. indicating a pressure increase . Conductive materials, e.g. antistatic coatings for spark prevention . the material being a coating or protective layer . Micromachined materials, e.g. made from silicon wafers, microelectromechanical systems [MEMS] or comprising nanotechnology . Materials providing resistance against corrosion . in acidic environments or acidic fluids . in alcalic environments or alcalic fluids . Shape memory materials . Electro-active or magneto-active materials . Chemo-active materials . Electro-active polymers [EAP]
2202/0421	2205/020	Characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking . Materials for reducing friction . Materials having sensing or indicating function, e.g. indicating a pressure increase . Conductive materials, e.g. antistatic coatings for spark prevention . the material being a coating or protective layer . Micromachined materials, e.g. made from silicon wafers, microelectromechanical systems [MEMS] or comprising nanotechnology . Materials providing resistance against corrosion . in acidic environments or acidic fluids . in alcalic environments or alcalic fluids . Shape memory materials . Electro-active or magneto-active materials . Chemo-active materials . Electro-rheological or magneto-rheological
2202/0421	2205/0211 . 2205/0216	Characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking . Materials for reducing friction . Materials having sensing or indicating function, e.g. indicating a pressure increase . Conductive materials, e.g. antistatic coatings for spark prevention . the material being a coating or protective layer . Micromachined materials, e.g. made from silicon wafers, microelectromechanical systems [MEMS] or comprising nanotechnology . Materials providing resistance against corrosion . in acidic environments or acidic fluids . in alcalic environments or alcalic fluids . Shape memory materials . Electro-active or magneto-active materials . Chemo-active materials . Electro-rheological or magneto-rheological materials
2202/0419	2205/02	Characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking . Materials for reducing friction . Materials having sensing or indicating function, e.g. indicating a pressure increase . Conductive materials, e.g. antistatic coatings for spark prevention . the material being a coating or protective layer . Micromachined materials, e.g. made from silicon wafers, microelectromechanical systems [MEMS] or comprising nanotechnology . Materials providing resistance against corrosion . in acidic environments or acidic fluids . in alcalic environments or alcalic fluids . Shape memory materials . Electro-active or magneto-active materials . Chemo-active materials . Electro-rheological or magneto-rheological materials . Piezoelectric materials
2202/0419	2205/02	Characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking . Materials for reducing friction . Materials having sensing or indicating function, e.g. indicating a pressure increase . Conductive materials, e.g. antistatic coatings for spark prevention . the material being a coating or protective layer . Micromachined materials, e.g. made from silicon wafers, microelectromechanical systems [MEMS] or comprising nanotechnology . Materials providing resistance against corrosion . in acidic environments or acidic fluids . in alcalic environments or alcalic fluids . Shape memory materials . Electro-active or magneto-active materials . Chemo-active materials . Electro-rheological or magneto-rheological materials . Piezoelectric materials implanted
2202/0421	2205/02	Ceneral characteristics of the apparatus characterised by a particular materials . Materials having antiseptic or antimicrobial properties, e.g. silver compounds, rubber with sterilising agent . Ceramics . Materials providing elastic properties, e.g. for facilitating deformation and avoid breaking . Materials for reducing friction . Materials having sensing or indicating function, e.g. indicating a pressure increase . Conductive materials, e.g. antistatic coatings for spark prevention . the material being a coating or protective layer . Micromachined materials, e.g. made from silicon wafers, microelectromechanical systems [MEMS] or comprising nanotechnology . Materials providing resistance against corrosion . in acidic environments or acidic fluids . in alcalic environments or alcalic fluids . Shape memory materials . Electro-active or magneto-active materials . Chemo-active materials . Electro-rheological or magneto-rheological materials . Piezoelectric materials

2205/051	• with radiation therapy	2205/3324 PH measuring means
2205/052	infrared	2205/3327 Measuring
2205/053	ultraviolet	2205/3331 Pressure; Flow
2205/054	• with electrotherapy	2205/3334 Measuring or controlling the flow rate
2205/055	• • • with electrophoresis	2205/3337 Controlling, regulating pressure or flow by
2205/056	with active exercise	means of a valve by-passing a pump
2205/057	• with magnetotherapy	2205/3341 stabilising pressure or flow to avoid excessive variation
2205/058	with ultrasound therapy	
2205/07	having air pumping means	2205/3344 Measuring or controlling pressure at the body treatment site
2205/071	hand operated	2205/3348 Pressure measurement using a water column
2205/073	Syringe, piston type	2205/3351 Controlling upstream pump pressure
2205/075	Bulb type	2205/3355 Controlling downstream pump pressure
2205/076	mouth operated	2205/3358 Measuring barometric pressure, e.g. for
2205/078	foot operated	compensation
2205/10	• with powered movement mechanisms	2205/3362 with minimised length of fluid lines; Taking
2205/103	• rotating	into account the elastic expansion of fluid lines
2205/106	. reciprocating	to increase accuracy
2205/11	• with means for preventing cross-contamination	2205/3365 . Rotational speed
2207/12	when used for multiple patients	2205/3368 Temperature
2205/12	• with interchangeable cassettes forming partially or	2205/3372 Temperature compensation
2205/121	totally the fluid circuit	2205/3375 • Acoustical, e.g. ultrasonic, measuring means
2205/121	interface between cassette and base	2205/3379 Masses, volumes, levels of fluids in reservoirs,
2205/122	using evacuated interfaces to enhance contact	flow rates
2205/123	• • with incorporated reservoirs	2205/3382 Upper level detectors
2205/125	• • with incorporated filters	2205/3386 Low level detectors
2205/126	• • • with incorporated membrane filters	2205/3389 Continuous level detection (A61M 2205/3393
2205/127	• with provisions for heating or cooling	takes precedence)
2205/128	with incorporated valves	2205/3393 by weighing the reservoir
2205/13	• with means for the detection of operative contact	2205/3396 Reservoirs being alternately filled and emptied
2207/14	with patient, e.g. lip sensor	for measuring flow rate or delivered volume
2205/14	Detection of the presence or absence of a tube, a connector or a container in an apparetus.	2205/35 • Communication
2205/15	connector or a container in an apparatus	2205/3507 with implanted devices, e.g. external control
2205/15	Detection of leaks with healt up system in case of failure.	2205/3515 using magnetic means
2205/16	• with back-up system in case of failure	2205/3523 using telemetric means
2205/17 2205/18	with redundant control systems with alarm	2205/353 using mechanical means, e.g. subcutaneous
2205/18		pushbuttons
2205/185	the sound being generated pneumatically	2205/3538 using electrical conduction through the body of
2203/180	• the sound being acoustically amplified, e.g. by	the patient
2205/10	resonance Constructional features of carpules syringes or	2205/3546 Range
2205/19	Constructional features of carpules, syringes or blisters	2205/3553 remote, e.g. between patient's home and
2205/192	Avoiding coring, e.g. preventing formation of	doctor's office
2203/192	particles during puncture	2205/3561 local, e.g. within room or hospital
2205/195	by the needle tip shape	2205/3569 sublocal, e.g. between console and disposable
2205/197	by the seal material	2205/3576 • with non implanted data transmission devices,
2205/21	insensitive to tilting or inclination, e.g. spill-over	e.g. using external transmitter or receiver
2203/21	prevention	2205/3584 using modem, internet or bluetooth
2205/215	Tilt detection, e.g. for warning or shut-off	2205/3592 using telemetric means, e.g. radio or optical
2205/27	 preventing use 	transmission
2205/273	preventing use preventing reuse, e.g. of disposables	2205/36 • related to heating or cooling
2205/276	preventing rease, e.g. or disposatores preventing unwanted use	2205/3606 cooled
2205/32	with radio-opaque indicia	2205/3613 by body heat
2205/33	Controlling, regulating or measuring	2205/362 by gas flow
2205/3303	Using a biosensor	2205/3626 by controlled mixing of fluids at different
2205/3306	Optical measuring means	temperatures
2205/331	used as turbidity change detectors, e.g. for	2205/3633 thermally insulated
2203/331	priming-blood or plasma-hemoglubine-	2205/364 by chemical reaction
	interface detection	2205/3646 by heat accumulators, e.g. ice, sand
2205/3313	used specific wavelengths	2205/3653 by Joule effect, i.e. electric resistance
2205/3317	Electromagnetic, inductive or dielectric	2205/366 by liquid heat exchangers
	measuring means	2205/3666 using heat loss of a motor
2205/332	Force measuring means	2205/3673 . thermo-electric, e.g. Peltier effect, thermocouples,
		semi-conductors

2205/368	by electromagnetic radiation, e.g. IR waves	2205/759	• for removing preservatives, e.g. heavy metal
2205/3686	microwaves		compositions
2205/3693	by mechanical waves, e.g. ultrasonic	2205/80	voice-operated command
2205/42	Reducing noise	2205/82	Internal energy supply devices
2205/43	making noise when used correctly	2205/8206	battery-operated
2205/44	making noise when used incorrectly	2205/8212	• • with means or measures taken for minimising
2205/50	with microprocessors or computers		energy consumption
2205/502	User interfaces, e.g. screens or keyboards	2205/8218	Gas operated
2205/505	Touch-screens; Virtual keyboard or keypads;	2205/8225	using incorporated gas cartridges for the
	Virtual buttons; Soft keys; Mouse touches		driving gas
2205/507	Head Mounted Displays [HMD]	2205/8231	using electrochemical gas generating device for
2205/52	with memories providing a history of measured		the driving gas
2203/32	variating parameters of apparatus or patient	2205/8237	Charging means
2205/58	Means for facilitating use, e.g. by people with	2205/8243	by induction
2203/36	impaired vision	2205/825	• • using mechanical generation of electricity, e.g.
2205/581	by audible feedback	2203/023	hand cranked generators
	-	2205/8256	being integrated in the case or housing of the
2205/582	by tactile feedback	2203/0230	apparatus
2205/583	by visual feedback	2205/8262	• connectable to external power source, e.g.
2205/584	having a color code	2203/8202	connecting to automobile battery through the
2205/585	having magnification means, e.g. magnifying		cigarette lighter
	glasses	2205/2262	
2205/586	Ergonomic details therefor, e.g. specific	2205/8268	Fuel storage cells
	ergonomics for left or right-handed users	2205/8275	Mechanical
2205/587	. Lighting arrangements	2205/8281	spring operated
2205/588	by olfactory feedback, i.e. smell	2205/8287	operated by an external magnetic or
2205/59	Aesthetic features, e.g. distraction means to prevent		electromagnetic field
2203/37	fears of child patients	2205/8293	Solar
2205/60	with identification means	2205/84	for treating several patients simultaneously
2205/6009	for matching patient with his treatment, e.g. to improve transfusion security	2206/00	Characteristics of a physical parameter; associated
2205/6010	*		device therefor
2205/6018	• providing set-up signals for the apparatus	2206/10	Flow characteristics
2205/6025	configuration	2206/11	Laminar flow
2205/6027		2206/12	• • the flow being spirally in a plane, e.g. against a
	circuite with or without identifying elements a g		
	circuits, with or without identifying elements, e.g.		plane side of a membrane filter element
	resistances, zener-diodes	2206/14	plane side of a membrane filter element . Static flow deviators in tubes disturbing laminar
2205/6036	resistances, zener-diodes characterised by physical shape, e.g. array of	2206/14	Static flow deviators in tubes disturbing laminar
2205/6036	resistances, zener-diodes • characterised by physical shape, e.g. array of activating switches		• • Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws
2205/6036 2205/6045	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for	2206/14 2206/16	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential
	resistances, zener-diodes • characterised by physical shape, e.g. array of activating switches	2206/16	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows
	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for	2206/16 2206/18	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another
2205/6045	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems	2206/16	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the
2205/6045 2205/6054 2205/6063	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems	2206/16 2206/18 2206/20	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively
2205/6045 2205/6054 2205/6063 2205/6072	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Bar codes	2206/16 2206/18	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision
2205/6045 2205/6054 2205/6063 2205/6072 2205/6081	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Bar codes Colour codes	2206/16 2206/18 2206/20	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively
2205/6045 2205/6054 2205/6063 2205/6072 2205/6081 2205/609	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Bar codes Colour codes Biometric patient identification means	2206/16 2206/18 2206/20 2206/22	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber
2205/6045 2205/6054 2205/6063 2205/6072 2205/6081 2205/609 2205/70	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Bar codes Colour codes Biometric patient identification means with testing or calibration facilities	2206/16 2206/18 2206/20 2206/22 2207/00	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber Methods of manufacture, assembly or production
2205/6045 2205/6054 2205/6063 2205/6072 2205/6081 2205/609 2205/70 2205/702	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Bar codes Colour codes Biometric patient identification means with testing or calibration facilities automatically during use	2206/16 2206/18 2206/20 2206/22	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber
2205/6045 2205/6054 2205/6063 2205/6072 2205/6081 2205/609 2205/70	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Bar codes Biometric patient identification means with testing or calibration facilities automatically during use Testing of filters for leaks (blood in dialysate	2206/16 2206/18 2206/20 2206/22 2207/00	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber Methods of manufacture, assembly or production
2205/6045 2205/6054 2205/6063 2205/6072 2205/6081 2205/609 2205/70 2205/702	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Bar codes Colour codes Biometric patient identification means with testing or calibration facilities automatically during use Testing of filters for leaks (blood in dialysate A61M 1/1692)	2206/16 2206/18 2206/20 2206/22 2207/00 2207/10 2209/00	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber Methods of manufacture, assembly or production Device therefor Ancillary equipment
2205/6045 2205/6054 2205/6063 2205/6072 2205/6081 2205/609 2205/70 2205/702	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Bar codes Biometric patient identification means with testing or calibration facilities automatically during use Testing of filters for leaks (blood in dialysate	2206/16 2206/18 2206/20 2206/22 2207/00 2207/10 2209/00 2209/01	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber Methods of manufacture, assembly or production Device therefor Ancillary equipment Remote controllers for specific apparatus
2205/6045 2205/6054 2205/6063 2205/6072 2205/609 2205/70 2205/702 2205/705	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Bar codes Colour codes Biometric patient identification means with testing or calibration facilities automatically during use Testing of filters for leaks (blood in dialysate A61M 1/1692)	2206/16 2206/18 2206/20 2206/22 2207/00 2207/10 2209/00 2209/01 2209/02	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber Methods of manufacture, assembly or production Device therefor Ancillary equipment Remote controllers for specific apparatus Equipment for testing the apparatus
2205/6045 2205/6054 2205/6063 2205/6072 2205/609 2205/70 2205/702 2205/705	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Bar codes Colour codes Biometric patient identification means with testing or calibration facilities automatically during use Testing of filters for leaks (blood in dialysate A61M 1/1692) Testing of filters for clogging	2206/16 2206/18 2206/20 2206/22 2207/00 2207/10 2209/00 2209/01 2209/02 2209/04	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber Methods of manufacture, assembly or production Device therefor Ancillary equipment Remote controllers for specific apparatus Equipment for testing the apparatus Tools for specific apparatus
2205/6045 2205/6054 2205/6063 2205/6072 2205/609 2205/70 2205/702 2205/707 2205/75 2205/75	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Colour codes Biometric patient identification means with testing or calibration facilities automatically during use Testing of filters for leaks (blood in dialysate A61M 1/1692) Testing of filters for clogging with filters for virus	2206/16 2206/18 2206/20 2206/22 2207/00 2207/10 2209/00 2209/01 2209/02 2209/04 2209/045	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber Methods of manufacture, assembly or production Device therefor Ancillary equipment Remote controllers for specific apparatus Equipment for testing the apparatus Tools for specific apparatus for filling, e.g. for filling reservoirs
2205/6045 2205/6054 2205/6063 2205/6072 2205/609 2205/70 2205/702 2205/705 2205/707 2205/75 2205/759 2205/7518	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Bar codes Colour codes Biometric patient identification means with testing or calibration facilities automatically during use Testing of filters for leaks (blood in dialysate A61M 1/1692) Testing of filters for clogging with filters for virus bacterial	2206/16 2206/20 2206/22 2207/00 2207/10 2209/00 2209/01 2209/04 2209/045 2209/06	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber Methods of manufacture, assembly or production Device therefor Ancillary equipment Remote controllers for specific apparatus Equipment for testing the apparatus Tools for specific apparatus for filling, e.g. for filling reservoirs Packaging for specific medical equipment
2205/6045 2205/6054 2205/6063 2205/6072 2205/609 2205/70 2205/702 2205/705 2205/707 2205/75 2205/759 2205/7518 2205/7527	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Bar codes Colour codes Biometric patient identification means with testing or calibration facilities automatically during use Testing of filters for leaks (blood in dialysate A61M 1/1692) Testing of filters for clogging with filters for virus bacterial liquophilic, hydrophilic	2206/16 2206/18 2206/20 2206/22 2207/00 2207/10 2209/00 2209/01 2209/02 2209/04 2209/045 2209/06 2209/08	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber Methods of manufacture, assembly or production Device therefor Ancillary equipment Remote controllers for specific apparatus Equipment for testing the apparatus for filling, e.g. for filling reservoirs Packaging for specific medical equipment Supports for equipment
2205/6045 2205/6054 2205/6063 2205/6072 2205/609 2205/70 2205/702 2205/705 2205/707 2205/75 2205/759 2205/7518	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Deficit identification systems Bar codes Colour codes Biometric patient identification means with testing or calibration facilities automatically during use Testing of filters for leaks (blood in dialysate A61M 1/1692) Testing of filters for clogging with filters for virus bacterial liquophilic, hydrophilic allowing gas passage, but preventing liquid	2206/16 2206/18 2206/20 2206/22 2207/00 2207/10 2209/00 2209/01 2209/02 2209/04 2209/04 2209/06 2209/08 2209/082	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber Methods of manufacture, assembly or production Device therefor Ancillary equipment Remote controllers for specific apparatus Equipment for testing the apparatus Tools for specific apparatus of r filling, e.g. for filling reservoirs Packaging for specific medical equipment Supports for equipment Mounting brackets, arm supports for equipment
2205/6045 2205/6054 2205/6063 2205/6072 2205/609 2205/70 2205/702 2205/705 2205/707 2205/75 2205/759 2205/7518 2205/7527	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Bar codes Colour codes Biometric patient identification means with testing or calibration facilities automatically during use Testing of filters for leaks (blood in dialysate A61M 1/1692) Testing of filters for clogging with filters for virus bacterial liquophilic, hydrophilic allowing gas passage, but preventing liquid passage, e.g. liquophobic, hydrophobic, water-	2206/16 2206/18 2206/20 2206/22 2207/00 2207/10 2209/00 2209/01 2209/02 2209/04 2209/045 2209/06 2209/08	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber Methods of manufacture, assembly or production Device therefor Ancillary equipment Remote controllers for specific apparatus Equipment for testing the apparatus for filling, e.g. for filling reservoirs Packaging for specific medical equipment Supports for equipment Mounting brackets, arm supports for equipment Supporting bases, stands for equipment
2205/6045 2205/6054 2205/6063 2205/6072 2205/609 2205/70 2205/705 2205/707 2205/75 2205/759 2205/7518 2205/7527 2205/7536	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Deficit identification systems Deficit identification systems Deficit identification systems Deficit identification means Deficit identification systems Deficit identi	2206/16 2206/18 2206/20 2206/22 2207/00 2207/10 2209/00 2209/01 2209/02 2209/04 2209/04 2209/06 2209/08 2209/082	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber Methods of manufacture, assembly or production Device therefor Ancillary equipment Remote controllers for specific apparatus Equipment for testing the apparatus Tools for specific apparatus of r filling, e.g. for filling reservoirs Packaging for specific medical equipment Supports for equipment Mounting brackets, arm supports for equipment
2205/6045 2205/6054 2205/6063 2205/6072 2205/609 2205/70 2205/702 2205/705 2205/707 2205/75 2205/759 2205/7518 2205/7536	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Deficit identification systems Deficit identification systems Deficit identification systems Deficit identification means Must resting or calibration facilities Testing of registration facilities Testing of filters for leaks (blood in dialysate A61M 1/1692) Testing of filters for clogging With filters Deficit identification means In automatically during use Testing of filters for clogging With filters Deficit identification means Deficit identification means Deficit identification means Deficit identification systems Deficit identification	2206/16 2206/18 2206/20 2206/22 2207/00 2207/10 2209/00 2209/01 2209/02 2209/04 2209/04 2209/06 2209/08 2209/08 2209/084	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber Methods of manufacture, assembly or production Device therefor Ancillary equipment Remote controllers for specific apparatus Equipment for testing the apparatus for filling, e.g. for filling reservoirs Packaging for specific medical equipment Supports for equipment Mounting brackets, arm supports for equipment Supporting bases, stands for equipment
2205/6045 2205/6054 2205/6063 2205/6072 2205/609 2205/70 2205/705 2205/707 2205/75 2205/759 2205/7518 2205/7527 2205/7545 2205/7554	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Deficit identification systems Deficit identification systems Deficit identification systems Deficit identification means Mith testing or calibration facilities Magnetic patient identification means Mith testing or calibration facilities Magnetic patient identification means Mith testing or calibration facilities Testing of filters for leaks (blood in dialysate A61M 1/1692) Testing of filters for clogging Mith filters For virus Deacterial Iliquophilic, hydrophilic Allowing gas passage, but preventing liquid passage, e.g. liquophobic, hydrophobic, waterrepellent membranes for solid matter, e.g. microaggregates Mith means for unclogging or regenerating filters	2206/16 2206/18 2206/20 2206/22 2207/00 2207/10 2209/00 2209/01 2209/02 2209/04 2209/04 2209/08 2209/08 2209/082 2209/084 2209/086	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber Methods of manufacture, assembly or production Device therefor Ancillary equipment Remote controllers for specific apparatus Equipment for testing the apparatus for filling, e.g. for filling reservoirs Packaging for specific medical equipment Supports for equipment Mounting brackets, arm supports for equipment Supporting bases, stands for equipment Docking stations on the body
2205/6045 2205/6054 2205/6063 2205/6072 2205/6081 2205/700 2205/702 2205/705 2205/707 2205/755 2205/759 2205/7518 2205/7527 2205/7536	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Deficit identification systems Deficit identification systems Deficit identification systems Deficit identification means Deficit identification systems Deficit identification identification identification systems Deficit identi	2206/16 2206/18 2206/20 2206/22 2207/00 2207/10 2209/00 2209/01 2209/02 2209/04 2209/04 2209/08 2209/08 2209/084 2209/086 2209/086 2209/088 2209/088	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber Methods of manufacture, assembly or production Device therefor Ancillary equipment Remote controllers for specific apparatus Equipment for testing the apparatus for filling, e.g. for filling reservoirs Packaging for specific medical equipment Supports for equipment Mounting brackets, arm supports for equipment Supporting bases, stands for equipment Docking stations on the body Equipment for cleaning
2205/6045 2205/6054 2205/6063 2205/6072 2205/609 2205/70 2205/705 2205/707 2205/75 2205/759 2205/7518 2205/7527 2205/7545 2205/7554	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Deficit identification systems Deficit identification systems Deficit identification systems Deficit identification means Deficit identification identificat	2206/16 2206/18 2206/20 2206/22 2207/00 2207/10 2209/00 2209/01 2209/04 2209/04 2209/04 2209/08 2209/08 2209/084 2209/086 2209/088 2209/088 2209/080 2209/080	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber Methods of manufacture, assembly or production Device therefor Ancillary equipment Remote controllers for specific apparatus Equipment for testing the apparatus for filling, e.g. for filling reservoirs Packaging for specific medical equipment Supports for equipment Mounting brackets, arm supports for equipment Supporting bases, stands for equipment Docking stations on the body Equipment for cleaning Anatomical parts of the body
2205/6045 2205/6054 2205/6063 2205/6072 2205/6081 2205/70 2205/702 2205/705 2205/707 2205/75 2205/759 2205/7518 2205/7527 2205/7536 2205/7545 2205/7563 2205/7572	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Deficit identification systems Deficit identification systems Deficit identification means Defici	2206/16 2206/18 2206/20 2206/22 2207/00 2207/10 2209/00 2209/01 2209/02 2209/04 2209/04 2209/08 2209/08 2209/084 2209/086 2209/086 2209/088 2209/088	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber Methods of manufacture, assembly or production Device therefor Ancillary equipment Remote controllers for specific apparatus Equipment for testing the apparatus for filling, e.g. for filling reservoirs Packaging for specific medical equipment Supports for equipment Mounting brackets, arm supports for equipment Supporting bases, stands for equipment Docking stations on the body Equipment for cleaning
2205/6045 2205/6054 2205/6063 2205/6072 2205/6081 2205/700 2205/702 2205/705 2205/707 2205/755 2205/759 2205/7518 2205/7527 2205/7536	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identifica	2206/16 2206/18 2206/20 2206/22 2207/00 2207/10 2209/00 2209/01 2209/04 2209/04 2209/04 2209/08 2209/08 2209/084 2209/086 2209/088 2209/088 2209/080 2209/080	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber Methods of manufacture, assembly or production Device therefor Ancillary equipment Remote controllers for specific apparatus Equipment for testing the apparatus for filling, e.g. for filling reservoirs Packaging for specific medical equipment Supports for equipment Mounting brackets, arm supports for equipment Supporting bases, stands for equipment Docking stations on the body Equipment for cleaning Anatomical parts of the body
2205/6045 2205/6054 2205/6063 2205/6072 2205/6081 2205/70 2205/702 2205/705 2205/707 2205/75 2205/759 2205/7518 2205/7527 2205/7536 2205/7545 2205/7563 2205/7572	resistances, zener-diodes characterised by physical shape, e.g. array of activating switches having complementary physical shapes for indexing or registration purposes Magnetic identification systems Optical identification systems Deficit identification systems Deficit identification systems Deficit identification means Defici	2206/16 2206/18 2206/20 2206/22 2207/00 2207/10 2209/00 2209/01 2209/04 2209/04 2209/08 2209/08 2209/084 2209/086 2209/088 2209/088 2209/080 2210/000	 Static flow deviators in tubes disturbing laminar flow in tubes, e.g. archimedes screws Rotating swirling helical flow, e.g. by tangential inflows Coaxial flows, e.g. one flow within another having means for promoting or enhancing the flow, actively or passively eliminating pulsatile flows, e.g. by the provision of a dampening chamber Methods of manufacture, assembly or production Device therefor Ancillary equipment Remote controllers for specific apparatus Equipment for testing the apparatus for filling, e.g. for filling reservoirs Packaging for specific medical equipment Supports for equipment Mounting brackets, arm supports for equipment Supporting bases, stands for equipment Docking stations on the body Equipment for cleaning Anatomical parts of the body used as an access side to the body

2210/04	. Skin	2210/1458	Placenta
2210/06	. Head	2210/1466	Umbilical cord
2210/0606	Face	2210/1475	Vagina
2210/0612	Eyes	2210/1483	Labia
2210/0618	Nose	2210/1491	Clitoris
2210/0625	Mouth	2210/16	Male reproductive, genital organs
2210/0631	Gums	2210/161	Testis
2210/0637	Teeth	2210/162	Epididymis
2210/0643	Tongue	2210/163	Ductus deferens
2210/065	Throat; Pharynx	2210/164	Seminal vesicles
2210/0656	Epiglottis	2210/165	Sperm ducts
2210/0662	Ears	2210/166	Prostate
	Middle ear	2210/167	. Penis
2210/0675	Eustachian tube	2210/168	Scrota, Scrotums
2210/0681	Sinus (maxillaris)	2210/100	· · · Seroua, Serouanis
2210/0687	Skull, cranium	Parts of the b	oody
2210/0693	Brain, cerebrum		
2210/08/3	Limbs	2230/00	Measuring parameters of the user
2210/08			NOTE
	Arms		{In this group, symbol A61M 2230/005 is only
2210/086	Legs		used as subsequent symbol in C-Sets and should
2210/10	• Trunk		not be allocated as single symbols.}
2210/1003	Spinal column		not be anocated as single symbols.
2210/1007	Breast; mammary	2230/005	• Parameter used as control input for the apparatus
2210/101	Pleural cavity	2230/04	• Heartbeat characteristics, e.g. ECG, blood pressure
2210/1014	Diaphragm		modulation
2210/1017	Peritoneal cavity	2230/06	Heartbeat rate only
2210/1021	Abdominal cavity	2230/08	Other bio-electrical signals
2210/1025	• Respiratory system (A61M 2210/0618 take	2230/10	Electroencephalographic signals
	precedence)	2230/14	Electro-oculogram [EOG]
2210/1028	Larynx	2230/16	Visual evoked potential [VEP]
2210/1032	Trachea	2230/18	Rapid eye-movements [REM]
2210/1035	Bronchi	2230/10	Blood composition characteristics
2210/1039	Lungs	2230/201	Glucose concentration
2210/1042	. Alimentary tract (A61M 2210/0618 takes	2230/201	 partial carbon oxide pressure, e.g. partial dioxide
	precedence)	2230/202	pressure (P-CO2)
2210/1046	Pharynx	2230/204	partial carbon monoxide pressure (P-CO)
2210/105	Oesophagus	2230/204	partial carbon monoxide pressure (1-CO)
2210/1053	Stomach	2230/203	hematocrit
2210/1057	Duodenum		pH-value
2210/106	Small intestine	2230/208	
2210/1064	Large intestine	2230/30	Blood pressure (A61M 2230/04 takes precedence)
	Anus	2230/40	Respiratory characteristics
	Liver; Hepar	2230/42	Rate
	Gall bladder	2230/43	Composition of exhalation
2210/1078	. Urinary tract	2230/432	partial CO ₂ pressure (P-CO2)
2210/1082	Kidney	2230/435	$\cdot \cdot \cdot$ partial O ₂ pressure (P-O2)
	Bladder	2230/437	the anaesthetic agent concentration
2210/1089	Urethra	2230/46	Resistance or compliance of the lungs
2210/1092	Female	2230/50	. Temperature
2210/1092	Male	2230/60	Muscle strain, i.e. measured on the user
		2230/62	. Posture
2210/12	Blood circulatory system Paricardium	2230/63	• Motion, e.g. physical activity
2210/122	. Pericardium	2230/65	• Impedance, e.g. conductivity, capacity
2210/125	. Heart	2240/00	Specially adapted for poonetal was
2210/127	. Aorta	2240/00	Specially adapted for neonatal use
2210/14	Female reproductive, genital organs	2250/00	Specially adapted for animals
2210/1408	Ovaries		
2210/1416	Ova, ovum		
2210/1425	Uterine tubes		
2210/1433	Uterus		
2210/1441	Ovocytes		
2210/145	Embryo, fetus		