

CPC COOPERATIVE PATENT CLASSIFICATION

A HUMAN NECESSITIES

HEALTH; AMUSEMENT

A61 MEDICAL OR VETERINARY SCIENCE; HYGIENE

A61F FILTERS IMPLANTABLE INTO BLOOD VESSELS; PROSTHESES; DEVICES PROVIDING PATENCY TO, OR PREVENTING COLLAPSING OF, TUBULAR STRUCTURES OF THE BODY, E.G. STENTS; ORTHOPAEDIC, NURSING OR CONTRACEPTIVE DEVICES; FOMENTATION; TREATMENT OR PROTECTION OF EYES OR EARS; BANDAGES, DRESSINGS OR ABSORBENT PADS; FIRST-AID KITS (dental prosthetics [A61C](#))

WARNING

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

A61F 2/48	covered by	A61F 2/02
A61F 2/56	covered by	A61F 2/54
A61F 2/62	covered by	A61F 2/60
A61F 2/70	covered by	A61F 2/68 , A61F 2/72
A61F 2/74	covered by	A61F 2/68
A61F 5/045	covered by	A61G 13/12
A61F 5/052	covered by	A61F 5/05
A61F 5/447	covered by	A61F 5/445
A61F 5/452	covered by	A61F 5/451
A61F 5/457	covered by	A61F 5/451
A61F 5/458	covered by	A61F 5/451
A61F 6/10	covered by	A61F 6/08
A61F 9/01	covered by	A61F 9/00802 - A61F 9/00825
A61F 9/011	covered by	A61F 9/00802 - A61F 9/00825
A61F 13/22	covered by	A61F 13/206
A61F 13/24	covered by	A61F 13/2037
A61F 13/30	covered by	A61F 13/26
A61F 13/32	covered by	A61F 13/26
A61F 13/40	covered by	A61M 35/006

Filters; Devices providing patency to tubular structures; Prostheses; Accessories

2/00	Filters implantable into blood vessels; Prostheses, i.e. artificial substitutes or replacements for parts of the body; Appliances for connecting them with the body; Devices providing patency to, or preventing collapsing of, tubular structures of the body, e.g. stents (as cosmetic articles, see the relevant subclasses, e.g. wigs, hair pieces, A41G 3/00, A41G 5/00, artificial nails A45D 31/00; dental prostheses A61C 13/00; materials for prostheses A61L 27/00; artificial hearts A61M 1/10; artificial kidneys A61M 1/14)	2/0022	. . {placed deep in the body opening (occluding blood vessels by internal devices A61B 17/12022)}
		2/0027	. . . {inflatable}
		2/0031	. . {for constricting the lumen; Support slings for the urethra}
		2/0036	. . . {implantable (A61F 2/0018 takes precedence)}
		2/004	. . . . {inflatable}
		2/0045	. . . . {Support slings}
		2/005	. . . {with pressure applied to urethra by an element placed in the vagina}
		2/0054	. . . {with pressure applied to urethra by an element placed around the penis, e.g. penis clamp}
2/0004	. {Closure means for urethra or rectum, i.e. anti-incontinence devices or support slings against pelvic prolapse}	2/0059	. {Cosmetic or alloplastic implants (A61F 2/10 - A61F 2/16 , A61F 2/28 take precedence)}
2/0009	. . {placed in or outside the body opening close to the surface of the body (plugging an opening in the wall of a hollow or tubular organ A61B 17/0057)}	2/0063	. {Implantable repair or support meshes, e.g. hernia meshes}
2/0013	. . . {inflatable}	2002/0068	. . {having a special mesh pattern}
2/0018	. . . {magnetic}	2002/0072	. . {Delivery tools therefor}
		2/0077	. {Special surfaces of prostheses, e.g. for improving ingrowth (A61F 2/30767 takes precedence)}

- 2002/0081 . . {directly machined on the prosthetic surface, e.g. holes, grooves ([A61F 2/30771](#) takes precedence)}
- 2002/0086 . . {for preferentially controlling or promoting the growth of specific types of cells or tissues (of bone tissue onto implantable joints [A61F 2002/3093](#))}
- 2002/009 . . {for hindering or preventing attachment of biological tissue (of bone tissue onto implantable joints [A61F 2002/30932](#))}
- 2002/0091 . . . {Having cellular growth inhibitors}
- WARNING**
- Group [A61F 2002/0091](#) is incomplete pending reclassification of documents from groups [A61F 2002/009](#).
- Groups [A61F 2002/009](#) and [A61F 2002/0091](#) should be considered in order to perform a complete search.
- 2/0095 . . {Packages or dispensers for prostheses or other implants (for intraocular lenses [A61F 2/1691](#); for dental surgery [A61C 19/02](#))}
- 2/01 . . Filters implantable into blood vessels ({filters used as gripping instruments [A61B 17/22031](#))}
- 2002/011 . . {Instruments for their placement or removal}
- 2/013 . . {Distal protection devices, i.e. devices placed distally in combination with another endovascular procedure, e.g. angioplasty or stenting}
- 2002/015 . . . {Stop means therefor}
- 2002/016 . . {made from wire-like elements}
- 2002/018 . . {made from tubes or sheets of material, e.g. by etching or laser-cutting}
- 2/02 . . Prostheses implantable into the body ({closure means for urethra or rectum or for artificial body openings therefor [A61F 2/0004](#))}
- 2/022 . . {Artificial gland structures using bioreactors (hemodialysis [A61M 1/16](#); hemofiltration [A61M 1/34](#); other extracorporeal blood treatment [A61M 1/36](#))}
- 2/04 . . Hollow or tubular parts of organs, e.g. bladders, tracheae, bronchi or bile ducts ([A61F 2/18](#), [A61F 2/20](#) take precedence; devices, other than stent-grafts, providing patency to, or preventing collapsing of, tubular structures of the body other than stent-grafts, e.g. stents [A61F 2/82](#); instruments specially adapted for placement or removal of stents or stent-grafts [A61F 2/95](#))}
- 2002/041 . . . {Bile ducts}
- 2/042 . . . {Urinary bladders}
- 2002/043 . . . {Bronchi}
- 2002/044 . . . {Oesophagi or esophagi or gullets}
- 2002/045 . . . {Stomach, intestines}
- 2002/046 . . . {Tracheae}
- 2002/047 . . . {Urethrae}
- 2002/048 . . . {Ureters}
- 2/06 . . . Blood vessels
- 2002/061 {provided with means for allowing access to secondary lumens}
- 2/062 {Apparatus for the production of blood vessels made from natural tissue or with layers of living cells (prostheses made from natural tissue or living cells [A61L 27/507](#))}
- 2/064 {with special features to facilitate anastomotic coupling (anastomosis of natural blood vessels [A61B 17/11](#))}
- 2002/065 {Y-shaped blood vessels}
- 2002/067 {modular}
- 2002/068 {Modifying the blood flow model, e.g. by diffuser or deflector}
- 2/07 Stent-grafts
- 2002/072 {Encapsulated stents, e.g. wire or whole stent embedded in lining}
- 2002/075 {the stent being loosely attached to the graft material, e.g. by stitching}
- 2002/077 {having means to fill the space between stent-graft and aneurysm wall, e.g. a sleeve}
- 2/08 . . Muscles; Tendons; Ligaments ({sutures [A61B 17/04](#))}
- 2/0805 . . . {Implements for inserting tendons or ligaments}
- 2/0811 . . . {Fixation devices for tendons or ligaments}
- 2002/0817 {Structure of the anchor}
- 2002/0823 {Modular anchors comprising a plurality of separate parts}
- 2002/0829 {without deformation of anchor parts, e.g. fixation screws on bone surface, extending barbs, cams, butterflies, spring-loaded pins}
- 2002/0835 {with deformation of anchor parts, e.g. expansion of dowel by set screw}
- 2002/0841 {Longitudinal channel for insertion tool running through the whole tendon anchor, e.g. for accommodating bone drill, guidewire}
- 2002/0847 {Mode of fixation of anchor to tendon or ligament}
- 2002/0852 {Fixation of a loop or U-turn, e.g. eyelets, anchor having multiple holes}
- 2002/0858 {Fixation of tendon or ligament between anchor and bone, e.g. interference screws, wedges}
- 2002/0864 {Fixation of tendon or ligament between anchor elements, e.g. by additional screws in the anchor, anchor crimped around tendon}
- 2002/087 {Anchor integrated into tendons, e.g. bone blocks, integrated rings}
- 2002/0876 {Position of anchor in respect to the bone}
- 2002/0882 {Anchor in or on top of a bone tunnel, i.e. a hole running through the entire bone}
- 2002/0888 {Anchor in or on a blind hole or on the bone surface without formation of a tunnel}
- 2002/0894 . . . {Muscles (non-implantable [A61F 2002/5066](#))}
- 2/10 . . Hair or skin implants
- 2/105 . . . {Skin implants, e.g. artificial skin}
- 2/12 . . Mammary prostheses and implants
- 2/14 . . Eye parts, e.g. lenses, corneal implants; {Implanting instruments specially adapted therefor}; Artificial eyes
- 2/141 . . . {Artificial eyes}
- 2/142 . . . {Cornea, e.g. artificial corneae, keratoprostheses or corneal implants for repair of defective corneal tissue}

2/145	. . . {Corneal inlays, onlays, or lenses for refractive correction}	2/1621	. . . . . {enabling correction for monovision}
	WARNING	2/1624	. . . . . {having adjustable focus; power activated variable focus means, e.g. mechanically or electrically by the ciliary muscle or from the outside}
	Group A61F 2/145 is impacted by reclassification into groups A61F 2/1451 and A61F 2/1453 .	2/1627	. . . . . {for changing index of refraction, e.g. by external means or by tilting}
	Groups A61F 2/145 , A61F 2/1451 , and A61F 2/1453 should be considered in order to perform a complete search.	2/1629	. . . . . {for changing longitudinal position, i.e. along the visual axis when implanted}
2/1451	. . . . {Inlays or onlays}	2/1632	. . . . . {for changing radial position, i.e. perpendicularly to the visual axis when implanted}
2/1453	. . . . {Corneal lenses connected to distinct attachment means}	2/1635	. . . . . {for changing shape}
2/147	. . . {Implants to be inserted in the stroma for refractive correction, e.g. ring-like implants}	2/1637	. . . . . {Correcting aberrations caused by inhomogeneities; correcting intrinsic aberrations, e.g. of the cornea, of the surface of the natural lens, aspheric, cylindrical, toric lenses}
2/148	. . . {Implantation instruments specially adapted therefor}	2/164	. . . . . {Aspheric lenses}
2/15	. . . {Implant having one or more holes, e.g. for nutrient transport, for facilitating handling}	2/1643	. . . . . {Cylindrical lenses}
	WARNING	2/1645	. . . . . {Toric lenses}
	Group A61F 2/15 is incomplete pending reclassification of documents from group A61F 2/14 .	2/1648	. . . . . {Multipart lenses}
	Groups A61F 2/14 and A61F 2/15 should be considered in order to perform a complete search.	2/1651	. . . . . {Multipart lenses comprising a telescope}
2/16	. . . Intraocular lenses	2/1654	. . . . . {Diffractive lenses}
	WARNING	2/1656	. . . . . {Fresnel lenses, prisms or plates}
	Group A61F 2/16 is impacted by reclassification into groups A61F 2/1601 , A61F 2/16015 , A61F 2002/1696 , and A61F 2002/16965 .	2/1659	. . . . . {having variable absorption coefficient for electromagnetic radiation, e.g. photochromic lenses}
	All groups listed should be considered in order to perform a complete search.	2/1662	. . . . {Instruments for inserting intraocular lenses into the eye}
2/1601	. . . . {Lens body having features to facilitate aqueous fluid flow across the intraocular lens, e.g. for pressure equalization or nutrient delivery}	2/1664	. . . . . {for manual insertion during surgery, e.g. forceps-like instruments}
2/16015	. . . . {Lens having spacers for providing a gap between the posterior capsule and a posterior surface of the intraocular lens}	2/1667	. . . . . {with rotatable plungers}
2/1602	. . . . {Corrective lenses for use in addition to the natural lenses of the eyes or for pseudo-phakic eyes}	2/167	. . . . . {with pushable plungers}
2/1605	. . . . . {Anterior chamber lenses for use in addition to the natural lenses of the eyes, e.g. iris fixated, iris floating}	2/1672	. . . . . {with a two-stage plunger, e.g. rotatable and pushable or rotatable at different speeds}
2/1608	. . . . . {Iris fixated, e.g. by clamping iris tissue, by suturing to the iris}	2/1675	. . . . . {with a lubricated inner surface, e.g. the lubricant being coated on the inner surface or being injected through a port}
2/161	. . . . . {Posterior chamber lenses for use in addition to the natural lenses of the eyes}	2/1678	. . . . . {with a separate cartridge or other lens setting part for storage of a lens, e.g. preloadable for shipping}
2/1613	. . . . {having special lens configurations, e.g. multipart lenses; having particular optical properties, e.g. pseudo-accommodative lenses, lenses having aberration corrections, diffractive lenses, lenses for variably absorbing electromagnetic radiation, lenses having variable focus}	2002/1681	. . . . {having supporting structure for lens, e.g. haptics}
2/1616	. . . . . {Pseudo-accommodative, e.g. multifocal or enabling monovision}		WARNING
2/1618	. . . . . {Multifocal lenses}		Group A61F 2002/1681 is impacted by reclassification into groups A61F 2002/1682 , A61F 2002/169 , A61F 2002/16901 , A61F 2002/16902 , A61F 2002/16903 , A61F 2002/16905 , A61F 2002/169051 , A61F 2002/169052 , and A61F 2002/169053 .
			All groups listed should be considered in order to perform a complete search.
		2002/1682	. . . . . {having mechanical force transfer mechanism to the lens, e.g. for accommodating lenses}
		2002/1683	. . . . . {having filiform haptics}
		2002/1686	. . . . . {Securing a filiform haptic to a lens body}
		2002/1689	. . . . . {having plate-haptics}

2002/169	. . . . .	{Surrounding optic}	2/2445	. . . . .	{Annuloplasty rings in direct contact with the valve annulus}
2002/16901	. . . . .	{Supporting structure conforms to shape of capsular bag}	2/2448	. . . . .	{D-shaped rings}
2002/16902	. . . . .	{Separable from intraocular lens}	2/2451	. . . . .	{Inserts in the coronary sinus for correcting the valve shape}
2002/16903	. . . . .	{Having means to temporarily stabilize haptic}	2/2454	. . . . .	{Means for preventing inversion of the valve leaflets, e.g. chordae tendineae prostheses}
2002/16905	. . . . .	{Having means on lens to reduce overall dimension of lens for insertion into small incision}	2/2457	. . . . .	{Chordae tendineae prostheses}
2002/169051	. . . . .	{Segmented zones}	2/246	. . . . .	{Devices for obstructing a leak through a native valve in a closed condition}
2002/169052	. . . . .	{Segments slide}	2/2463	. . . . .	{Implants forming part of the valve leaflets}
2002/169053	. . . . .	{Segments fold}	2/2466	. . . . .	{Delivery devices therefor}
2/1691	. . . . .	{Packages or dispensers for intraocular lenses (for contact lenses A45C 11/005)}	2/2469	. . . . .	{with resilient valve members, e.g. conical spiral}
2/1694	. . . . .	{Capsular bag spreaders therefor}	2/2472	. . . . .	{Devices for testing}
2002/1696	. . . . .	{Having structure for blocking or reducing amount of light transmitted, e.g. glare reduction}	2/2475	. . . . .	{Venous valves}
2002/16965	. . . . .	{Lens includes ultraviolet absorber}	2/2478	. . . . .	{Passive devices for improving the function of the heart muscle, i.e. devices for reshaping the external surface of the heart, e.g. bags, strips or bands}
2002/1699	. . . . .	{Additional features not otherwise provided for}	2/2481	. . . . .	{Devices outside the heart wall, e.g. bags, strips or bands}
2/18	. . . . .	Internal ear or nose parts, e.g. ear-drums {(implants for middle ear ventilation or drainage A61F 11/002)}	2002/2484	. . . . .	{Delivery devices therefor}
2002/183	. . . . .	{Ear parts}	2/2487	. . . . .	{Devices within the heart chamber, e.g. splints}
2/186	. . . . .	{Nose parts}	2002/249	. . . . .	{Device completely embedded in the heart wall}
2/20	. . . . .	{Epiglottis}; Larynxes; Tracheae combined with larynxes or for use therewith (tracheae, bronchi per se A61F 2/04 {; tracheostomy tubes A61M 16/0465 })	2/2493	. . . . .	{Transmyocardial revascularisation [TMR] devices}
2/203	. . . . .	{comprising an air passage from trachea to oesophagus or to pharynx; Artificial epiglottis}	2/2496	. . . . .	{Devices for determining the dimensions of the prosthetic valve to be implanted, e.g. templates, sizers}
2002/206	. . . . .	{Speech aids with external actuators, e.g. electrical larynxes}	2/26	. . . . .	Penis implants
2/24	. . . . .	Heart valves {; Vascular valves, e.g. venous valves; Heart implants, e.g. passive devices for improving the function of the native valve or the heart muscle; Transmyocardial revascularisation [TMR] devices}	2/28	. . . . .	Bones ({ A61F 2/42 takes precedence}; joints A61F 2/30 {; means for introducing bone substitute or for implanting bone graft implants A61F 2/4601 ; devices for grinding or milling bone material A61F 2/4644 })
2/2403	. . . . .	{with pivoting rigid closure members (check valves with hinged closure members in general F16K 15/03)}	2/2803	. . . . .	{for mandibular reconstruction (temporo-mandibular joints A61F 2/3099 ; bone plates for the jaw A61B 17/8071)}
2/2406	. . . . .	{without fixed axis}	2002/2807	. . . . .	{Chin implants}
2/2409	. . . . .	{Support rings therefor, e.g. for connecting valves to tissue (annuloplasty rings A61F 2/2442)}	2002/281	. . . . .	{Gonial implants}
2/2412	. . . . .	{with soft flexible valve members, e.g. tissue valves shaped like natural valves (check valves with flexible valve members in general F16K 15/14)}	2/2814	. . . . .	{Bone stump caps}
2/2415	. . . . .	{Manufacturing methods}	2002/2817	. . . . .	{Bone stimulation by chemical reactions or by osteogenic or biological products for enhancing ossification, e.g. by bone morphogenetic or morphogenic proteins [BMP] or by transforming growth factors [TGF]}
2/2418	. . . . .	{Scaffolds therefor, e.g. support stents}	2002/2821	. . . . .	{Bone stimulation by electromagnetic fields or electric current for enhancing ossification}
2/2421	. . . . .	{with non-pivoting rigid closure members}	2002/2825	. . . . .	{Femur}
2/2424	. . . . .	{Ball valves}	2002/2828	. . . . .	{Femoral head}
2/2427	. . . . .	{Devices for manipulating or deploying heart valves during implantation}	2002/2832	. . . . .	{Femoral neck}
2/243	. . . . .	{Deployment by mechanical expansion}	2002/2835	. . . . .	{Bone graft implants for filling a bony defect or an endoprosthesis cavity}
2/2433	. . . . .	{using balloon catheter}	2002/2839	. . . . .	{Bone plugs or bone graft dowels}
2/2436	. . . . .	{Deployment by retracting a sheath}	2002/2842	. . . . .	{Bone marrow grafts}
2/2439	. . . . .	{Expansion controlled by filaments}	2/2846	. . . . .	{Support means for bone substitute or for bone graft implants, e.g. membranes or plates for covering bone defects (nets or sleeves applied to surface of endoprostheses A61F 2/30907 ; bone plates A61B 17/80 ; bone regeneration in dental surgery A61C 8/0006)}
2/2442	. . . . .	{Annuloplasty rings or inserts for correcting the valve shape; Implants for improving the function of a native heart valve}			

2002/285	. . . . {Fixation appliances for attaching bone substitute support means to underlying bone}	2002/30039	. . . . . {differing in shape-memory transition temperatures, e.g. in martensitic transition temperature or in austenitic transition temperature}
2002/2853	. . . {Humerus}	2002/30041	. . . . . {differing in hardening time}
2/2857	. . . {for cadavers (devices for autopsy A61B 16/00)}	2002/30042	. . . . . {made from both cured and uncured parts}
2002/286	. . . {Bone stimulation by mechanical vibrations for enhancing ossification}	2002/30044	. . . . . {differing in melting temperature}
2002/2864	. . . . {by ultrasonic or acoustic vibrations}	2002/30046	. . . . . {differing in thermal conductivity}
2002/2867	. . . {Bone marrow}	2002/30047	. . . . . {differing in colour}
2002/2871	. . . {Radius}	2002/30049	. . . . . {differing in optical properties}
2/2875	. . . {Skull or cranium (A61F 2/2803 and A61F 2/3099 take precedence)}	2002/30051	. . . . . {differing in corrosion resistance}
2002/2878	. . . . {for orbital repair}	2002/30052	. . . . . {differing in electric properties}
2002/2882	. . . . {Malar or zygomatic implants}	2002/30054	. . . . . {differing in electromagnetical properties}
2002/2885	. . . . {Paranasal implants}	2002/30056	. . . . . {differing in radiographic density}
2002/2889	. . . . {Maxillary, premaxillary or molar implants}	2002/30057	. . . . . {made from both cortical and cancellous adjacent parts}
2002/2892	. . . {Tibia}	2002/30059	. . . . . {differing in bone mineralization, e.g. made from both mineralized and demineralized adjacent parts}
2002/2896	. . . {Ulna}	2002/3006	. . . . . {Properties of materials and coating materials}
2/30	. . Joints	2002/30062	. . . . . {(bio)absorbable, biodegradable, bioerodable, (bio)resorbable, resorptive}
2002/30001	. . . {Additional features of subject-matter classified in A61F 2/28, A61F 2/30 and subgroups thereof}	2002/30064	. . . . . {Coating or prosthesis-covering structure made of biodegradable material}
2002/30003	. . . . {Material related properties of the prosthesis or of a coating on the prosthesis}	2002/30065	. . . . . {thermoplastic, i.e. softening or fusing when heated, and hardening and becoming rigid again when cooled}
2002/30004	. . . . . {The prosthesis made from materials having different values of a given property at different locations within the same prosthesis}	2002/30067	. . . . . {Coating or prosthesis-covering structure made of thermoplastic material}
2002/30006	. . . . . {differing in density or specific weight}	2002/30069	. . . . . {elastomeric}
2002/30008	. . . . . {differing in yarn density}	2002/3007	. . . . . {Coating or prosthesis-covering structure made of elastic material, e.g. of elastomer}
2002/30009	. . . . . {differing in fibre orientations}	2002/30072	. . . . . {Coating made of plastically deformable or self-moulding material}
2002/30011	. . . . . {differing in porosity}	2002/30074	. . . . . {stretchable}
2002/30013	. . . . . {made from both porous and non-porous parts, e.g. adjacent parts}	2002/30075	. . . . . {swellable, e.g. when wetted}
2002/30014	. . . . . {differing in elasticity, stiffness or compressibility}	2002/30077	. . . . . {shrinkable}
2002/30016	. . . . . {differing in hardness, e.g. Vickers, Shore, Brinell}	2002/30079	. . . . . {magnetic}
2002/30018	. . . . . {differing in bending or flexure capacity}	2002/3008	. . . . . {radio-opaque, e.g. radio-opaque markers}
2002/30019	. . . . . {differing in mechanical expandability, e.g. in mechanical, self- or balloon expandability}	2002/30082	. . . . . {radioactive}
2002/30021	. . . . . {differing in brittleness}	2002/30084	. . . . . {Materials having a crystalline structure}
2002/30023	. . . . . {differing in viscosity}	2002/30085	. . . . . {anisotropic}
2002/30024	. . . . . {differing in coefficient of friction}	2002/30087	. . . . . {piezoelectric}
2002/30026	. . . . . {differing in wear resistance}	2002/30088	. . . . . {Phase change materials [PCM], e.g. for storing latent heat}
2002/30028	. . . . . {differing in tissue ingrowth capacity, e.g. made from both ingrowth-promoting and ingrowth-preventing parts}	2002/3009	. . . . . {Transparent or translucent}
2002/30029	. . . . . {differing in bone ingrowth capacity}	2002/30092	. . . . . {using shape memory or superelastic materials, e.g. nitinol}
2002/30031	. . . . . {differing in wettability, e.g. in hydrophilic or hydrophobic behaviours}	2002/30093	. . . . . {operated at only one temperature whilst inside or touching the human body, e.g. constrained in a non-operative shape during surgery, another temperature only occurring before the operation}
2002/30032	. . . . . {differing in absorbability or resorbability, i.e. in absorption or resorption time}		
2002/30034	. . . . . {made from both resorbable and non-resorbable prosthetic parts, e.g. adjacent parts}		
2002/30036	. . . . . {differing in release or diffusion time}		
2002/30037	. . . . . {differing in coefficient of thermal expansion or dila(ta)tion}		

2002/30095	{operated at different temperatures whilst inside or touching the human body, heated or cooled by external energy source or cold supply}	2002/30174	{the upper branch of the T being inclined with respect to its main branch}
2002/30097	{cooled}	2002/30176	{V-shaped}
2002/30098	{electrically, e.g. heated by resistor}	2002/30177	{W-shaped, M-shaped or sigma shaped}
2002/301	{electromagnetically}	2002/30179	{X-shaped}
2002/30102	{using a fluid, e.g. circulating}	2002/30181	{Y-shaped}
2002/30103	{heated by light}	2002/30182	{Other shapes}
2002/30105	{ultrasonically}	2002/30184	{Alpha-shaped}
2002/30107	{using materials or accessories for preventing galvanic or electrolytic corrosion}	2002/30186	{B-shaped}
2002/30108	{Shapes}	2002/30187	{D-shaped or half-disc-shaped}
2002/30111	{Cross-sections or two-dimensional shapes}	2002/30189	{E-shaped or epsilon-shaped}
2002/30112	{Rounded shapes, e.g. with rounded corners}	2002/30191	{heart-shaped}
2002/30113	{circular}	2002/30192	{J-shaped}
2002/30115	{circular-O-shaped}	2002/30194	{quarter-disc-shaped}
2002/30116	{partial circles, i.e. circular segments}	2002/30196	{Psi-shaped or fork-shaped}
2002/30118	{concentric circles}	2002/30197	{Omega-shaped}
2002/3012	{intersecting circles}	2002/30199	{Three-dimensional shapes}
2002/30121	{with lobes}	2002/302	{toroidal, e.g. rings}
2002/30123	{with two diametrically opposed lobes}	2002/30202	{half-tores}
2002/30125	{elliptical or oval}	2002/30204	{toric}
2002/30126	{oval-O-shaped}	2002/30205	{conical}
2002/30128	{concentric ellipses}	2002/30207	{Double convex cones, i.e. element having two convex cones, one at each of its opposite ends}
2002/3013	{figure-"8"- or hourglass-shaped}	2002/30209	{Cones of elliptical or oval basis}
2002/30131	{horseshoe- or crescent- or C-shaped or U-shaped}	2002/3021	{frustoconical}
2002/30133	{kidney-shaped or bean-shaped}	2002/30212	{Half-cones}
2002/30135	{S-shaped or Z-shaped}	2002/30214	{having tapered sections of different conicities}
2002/30136	{undulated or wavy, e.g. serpentine-shaped or zigzag-shaped}	2002/30215	{Stepped cones, i.e. having discrete diameter changes}
2002/30138	{Convex polygonal shapes}	2002/30217	{hollow cones, e.g. tubular-like cones}
2002/3014	{decagonal}	2002/30219	{the inner and outer surfaces having different conicities}
2002/30141	{dodecagonal}	2002/3022	{Half tubular-like cones}
2002/30143	{hexagonal}	2002/30222	{concentric tubular-like cones}
2002/30144	{Honeycomb pattern}	2002/30224	{cylindrical}
2002/30146	{octagonal}	2002/30225	{Flat cylinders, i.e. discs}
2002/30148	{lozenge- or diamond-shaped}	2002/30227	{arched, domed or vaulted}
2002/30149	{pentagonal}	2002/30228	{Cylinders of elliptical or oval basis}
2002/30151	{rhomboidal or parallelogram-shaped}	2002/3023	{wedge-shaped cylinders}
2002/30153	{rectangular}	2002/30232	{Half-cylinders}
2002/30154	{square}	2002/30233	{Stepped cylinders, i.e. having discrete diameter changes}
2002/30156	{triangular}	2002/30235	{tubular, e.g. sleeves}
2002/30158	{trapezoidal}	2002/30237	{partial tubes}
2002/30159	{Concave polygonal shapes}	2002/30238	{half tubes}
2002/30161	{arrow-shaped}	2002/3024	{concentric tubes}
2002/30163	{cruciform, different from X-shaped}	2002/30242	{spherical}
2002/30164	{dovetail-shaped}	2002/30243	{the overall spherical surface being composed of a plurality of adjacent circular or polygonal segments, e.g. football-like shaped}
2002/30166	{H-shaped or I-shaped}	2002/30245	{Partial spheres}
2002/30168	{L-shaped}	2002/30247	{Hemispheres or half-spheres}
2002/30169	{Pi-shaped}	2002/30248	{Quarter-spheres}
2002/30171	{rosette- or star-shaped}	2002/3025	{hollow spheres}
2002/30172	{T-shaped}	2002/30252	{quadric-shaped}
		2002/30253	{ellipsoidal or ovoid}

2002/30255	{hyperboloidal}	2002/30329	{Connections or couplings between prosthetic parts, e.g. between modular parts; Connecting elements}
2002/30257	{paraboloidal}	2002/30331	{made by longitudinally pushing a protrusion into a complementarily-shaped recess, e.g. held by friction fit}
2002/30258	{elliptic paraboloid}	2002/30332	{Conically- or frustoconically-shaped protrusion and recess}
2002/3026	{hyperbolic paraboloid}	2002/30334	{Cone of elliptical or oval basis}
2002/30261	{parallelepipedal}	2002/30336	{Stepped cones, i.e. having discrete diameter changes}
2002/30263	{cubical}	2002/30337	{Inverted concave conical connections, e.g. for opposing disconnection}
2002/30265	{Flat parallelepipeds}	2002/30339	{Double cones, i.e. connecting element having two conical connections, one at each of its opposite ends}
2002/30266	{wedge-shaped parallelepipeds}	2002/30341	{both cones being convex, i.e. male tapers}
2002/30268	{Partial parallelepipeds}	2002/30342	{both cones being concave, i.e. female tapers}
2002/3027	{Stepped parallelepipeds}	2002/30344	{one cone being convex and the other being concave}
2002/30271	{hollow parallelepipeds}	2002/30345	{Multiple conical connection, i.e. the protrusion and recess having several tapered sections of different complementary concities}
2002/30273	{pyramidal}	2002/30347	{Protrusion and recess of complementarily-tapered undulated or serrated cross-section}
2002/30275	{tetrahedral, i.e. having a triangular basis}	2002/30349	{the male and female complementary cones being of different concities, i.e. for reducing the contact area}
2002/30276	{frustopyramidal}	2002/3035	{the male convex cone having an inner female concave taper}
2002/30278	{hollow pyramids}	2002/30352	{Protrusion and recess of D-shaped cross-section}
2002/3028	{polyhedral different from parallelepipedal and pyramidal}	2002/30354	{Cylindrically-shaped protrusion and recess, e.g. cylinder of circular basis}
2002/30281	{wedge-shaped}	2002/30355	{Cylinder of elliptical or oval basis}
2002/30283	{hollow}	2002/30357	{Stepped cylinders, i.e. having discrete diameter changes}
2002/30285	{rugby-ball-shaped}	2002/30359	{Pyramidally- or frustopyramidally-shaped protrusion and recess}
2002/30286	{barrel-shaped}	2002/3036	{Protrusion and recess of kidney-shaped cross-section}
2002/30288	{bottle-shaped}	2002/30362	{with possibility of relative movement between the protrusion and the recess}
2002/30289	{helically-coiled}	2002/30364	{Rotation about the common longitudinal axis}
2002/30291	{spirally-coiled, i.e. having a 2-D spiral cross-section}	2002/30365	{with additional means for limiting said rotation}
2002/30293	{Cylindrical body made by spirally rolling up a sheet or a strip around itself}	2002/30367	{with additional means for preventing said rotation}
2002/30294	{Conical or frustoconical body made by spirally rolling up a sheet or a strip around itself}	2002/30369	{Limited lateral translation of the protrusion within a larger recess}
2002/30296	{logarithmic spiral}	2002/3037	{Translation along the common longitudinal axis, e.g. piston}
2002/30298	{Parallelepipedal body made by spirally rolling up a sheet or a strip around itself}	2002/30372	{with additional means for limiting said translation}
2002/30299	{umbrella-shaped or mushroom-shaped}		
2002/30301	{saddle-shaped}		
2002/30303	{polypod-shaped}		
2002/30304	{nose-shaped}		
2002/30306	{harpoon-shaped}		
2002/30308	{banana-shaped}		
2002/30309	{hat-shaped}		
2002/30311	{doughnut-shaped}		
2002/30313	{pear-shaped}		
2002/30314	{bell-shaped}		
2002/30316	{The prosthesis having different structural features at different locations within the same prosthesis; Connections between prosthetic parts; Special structural features of bone or joint prostheses not otherwise provided for}		
2002/30317	{The prosthesis having different structural features at different locations within the same prosthesis}		
2002/30319	{differing in moment of inertia}		
2002/30321	{differing in roughness}		
2002/30322	{differing in surface structures}		
2002/30324	{differing in thickness}		
2002/30326	{differing in height or in length}		
2002/30327	{differing in diameter}		

2002/30373	{with additional means for preventing said translation}	2002/30418	{Double or multiple threadings}
2002/30375	{with an intermediate bushing or sleeve between the moving parts}	2002/3042	{with a pin cooperating with a helical groove}
2002/30377	{Protrusion and recess of constant polygonal, serrated or undulated cross-section}	2002/30421	{Rounded threads}
2002/30378	{Spherically-shaped protrusion and recess}	2002/30423	{Stepped cylindrical threads, i.e. having discrete diameter changes}
2002/3038	{made by pushing a key or a peg into a mating slot or hole}	2002/30425	{Square threads}
2002/30382	{made by pushing lateral pegs into mating lateral slots or bores}	2002/30426	{Bayonet coupling}
2002/30383	{made by laterally inserting a protrusion, e.g. a rib into a complementarily-shaped groove}	2002/30428	{made by inserting a protrusion into a slot}
2002/30385	{the rib and groove having non-parallel, e.g. conically-tapered, cooperating sides, e.g. having a trapezoidal front cross-section}	2002/30429	{made by inserting a hook into a cooperating slot}
2002/30387	{Dovetail connection}	2002/30431	{made by first pushing a necked button longitudinally and then sliding it laterally within a keyhole slot}
2002/30388	{Half-dovetail}	2002/30433	{using additional screws, bolts, dowels or rivets, e.g. connecting screws}
2002/3039	{with possibility of relative movement of the rib within the groove}	2002/30434	{using bolts}
2002/30392	{Rotation}	2002/30436	{using dowels}
2002/30393	{with additional means for limiting said rotation}	2002/30438	{using nuts}
2002/30395	{with additional means for preventing or locking said rotation}	2002/30439	{Screw head protectors}
2002/30397	{Limited lateral translation of the rib within a larger groove}	2002/30441	{using rivets or directly riveted}
2002/30398	{Sliding}	2002/30443	{using washers}
2002/304	{with additional means for limiting said sliding}	2002/30444	{Split washers}
2002/30401	{with additional means for preventing or locking said sliding}	2002/30446	{Spring washers, e.g. Belleville washers}
2002/30403	{Longitudinally-oriented cooperating ribs and grooves on mating lateral surfaces of a mainly longitudinal connection}	2002/30448	{using adhesives}
2002/30405	{made by screwing complementary threads machined on the parts themselves}	2002/30449	{the adhesive being cement}
2002/30406	{Threads machined on spherical, e.g. hemispherical, surfaces}	2002/30451	{soldered or brazed or welded}
2002/30408	{Conical threadings}	2002/30453	{brazed}
2002/3041	{having threaded portions of different pitches}	2002/30454	{by high energy welding, e.g. laser beam welding, electron beam welding, plasma welding}
2002/30411	{having two threaded end parts connected by a threaded central part with opposite threads at its opposite ends, i.e. for adjusting the distance between both end parts by rotating the central part}	2002/30456	{by spot welding}
2002/30413	{having threads of increasing height or depth}	2002/30457	{by ultrasonic or sonic welding}
2002/30415	{with additional means for limiting the length of the movement of the male threads within the female threads}	2002/30459	{stapled}
2002/30416	{Microthreads}	2002/30461	{sutured, ligatured or stitched}
		2002/30462	{retained or tied with a rope, string, thread, wire or cable}
		2002/30464	{using bands, belts or straps}
		2002/30466	{being elastic}
		2002/30467	{using hook and loop-type fasteners}
		2002/30469	{using band clamps}
		2002/30471	{connected by a hinged linkage mechanism, e.g. of the single-bar or multi-bar linkage type}
		2002/30472	{using connecting nails or pins}
		2002/30474	{using an intermediate sleeve interposed between both prosthetic parts to be coupled}
		2002/30476	{locked by an additional locking mechanism}
		2002/30477	{using sharp protrusions, e.g. spikes, for anchoring into connecting prosthetic part}
		2002/30479	{using a locking ball}
		2002/30481	{using a locking clip}
		2002/30482	{using a locking cam}
		2002/30484	{Mechanically expandable devices located on the first prosthetic part for locking into or onto the second prosthetic part}
		2002/30485	{plastically deformable}

2002/30487	{Circumferential cooperating grooves and beads on cooperating lateral surfaces of a mainly longitudinal connection}	2002/30548	{for adjusting fluid pressure}
2002/30489	{Circumferential cooperating serrations}	2002/30555	{for adjusting length}
2002/3049	{using a slidable sleeve covering the connection}	2002/30551	{at different discrete positions, e.g. at equidistant intervals}
2002/30492	{using a locking pin}	2002/30553	{for adjusting a position by translation along an axis}
2002/30494	{Cooperating protrusions and recesses, e.g. radial serrations, located on abutting end surfaces of a longitudinal connection}	2002/30555	{along two perpendicular axes}
2002/30495	{using a locking ring}	2002/30556	{for adjusting thickness}
2002/30497	{Split ring, e.g. circlip}	2002/30558	{Force-limiting means}
2002/30499	{Wire ring}	2002/3056	{Torque-limiting means}
2002/305	{Snap connection}	2002/30561	{breakable or frangible}
2002/30502	{Press-buttons}	2002/30563	{having elastic means or damping means, different from springs, e.g. including an elastomeric core or shock absorbers}
2002/30504	{made by laterally snapping a peg or a like protrusion into a mating detent, hole or slot}	2002/30565	{having spring elements}
2002/30505	{spring biased}	2002/30566	{Helical springs}
2002/30507	{using a threaded locking member, e.g. a locking screw or a set screw}	2002/30568	{Multiple spring systems including two or more helical springs}
2002/30509	{using a traction locking screw}	2002/3057	{Concentric outer and inner helical springs}
2002/3051	{using a locking bolt or a set bolt}	2002/30571	{Leaf springs}
2002/30512	{using a locking nut or a set nut}	2002/30573	{2-D spiral springs}
2002/30514	{using a locking washer}	2002/30574	{with an integral complete or partial collar or flange}
2002/30515	{using a locking wedge or block}	2002/30576	{with extending fixation tabs}
2002/30517	{using a locking plate}	2002/30578	{having apertures, e.g. for receiving fixation screws}
2002/30518	{with possibility of relative movement between the prosthetic parts}	2002/30579	{with mechanically expandable devices, e.g. fixation devices}
2002/3052	{unrestrained in only one direction, e.g. moving unidirectionally}	2002/30581	{having a pocket filled with fluid, e.g. liquid}
2002/30522	{releasable, e.g. using a releasable ratchet}	2002/30583	{filled with hardenable fluid, e.g. curable in-situ}
2002/30523	{by means of meshing gear teeth}	2002/30584	{filled with gas}
2002/30525	{Worm gears}	2002/30586	{having two or more inflatable pockets or chambers}
2002/30527	{using a gear box}	2002/30588	{filled with solid particles}
2002/30528	{Means for limiting said movement}	2002/30589	{Sealing means}
2002/3053	{having additional means for preventing unwanted connections}	2002/30591	{O-rings}
2002/30532	{for preventing connection between parts of wrong sizes or orientations}	2002/30593	{hollow}
2002/30533	{for preventing permanent connection between prosthetic parts and trial parts}	2002/30594	{slotted}
2002/30535	{Special structural features of bone or joint prostheses not otherwise provided for}	2002/30596	{slots ending in apertures, e.g. for avoiding stress concentration at the ends of the slots}
2002/30537	{adjustable}	2002/30598	{Plurality of slots}
2002/30538	{for adjusting angular orientation}	2002/30599	{stackable}
2002/3054	{about a connection axis or implantation axis for selecting any one of a plurality of radial orientations between two modular parts, e.g. at discrete positions}	2002/30601	{telescopic}
2002/30542	{at continuous positions}	2002/30602	{Shaft made of a bundle of anchoring rods or bristles, e.g. fasciculate shaft}
2002/30543	{at only two discrete angular positions, e.g. located at 180 degrees intervals}	2002/30604	{modular}
2002/30545	{for adjusting a diameter}	2002/30606	{Sets comprising both cemented and non-cemented endoprostheses}
2002/30546	{for adjusting elasticity, flexibility, spring rate or mechanical tension}	2002/30607	{Kits of prosthetic parts to be assembled in various combinations for forming different prostheses}
		2002/30609	{Sets comprising both coated and non-coated endoprostheses}
		2002/30611	{Nested prosthetic parts}
		2002/30612	{Pre-assembled implant modules}
		2002/30614	{Sets comprising both primary and revision endoprostheses}

2002/30616	{Sets comprising a plurality of prosthetic parts of different sizes or orientations}	2002/30673	{Lubricating means, e.g. synovial pocket}
2002/30617	{Visible markings for adjusting, locating or measuring}	2002/30675	{Means for regulating synovial fluid pressure}
2002/30619	{Wire rings}	2002/30677	{Means for introducing or releasing pharmaceutical products, e.g. antibiotics, into the body}
2002/30621	{Features concerning the anatomical functioning or articulation of the prosthetic joint}	2002/30678	{Gene therapy}
2002/30622	{Implant for fusing a joint or bone material}	2002/3068	{the pharmaceutical product being in a reservoir}
2002/30624	{Hinged joint, e.g. with transverse axle restricting the movement}	2002/30682	{Means for preventing migration of particles released by the joint, e.g. wear debris or cement particles}
2002/30626	{allowing only for single rotation}	2002/30683	{Means for collecting wear particles in a hollow cavity inside the prosthesis}
2002/30627	{by means of cooperating stepped cylindrical surfaces}	2002/30685	{Means for reducing or preventing the generation of wear particulates}
2002/30629	{of the pin-guiding groove linkage type}	2002/30686	{Devices for removing particulate debris from prosthetic joints}
2002/3063	{having bearing bushes between the rotating parts}	2002/30688	{Means for allowing passage or sliding of tendons or ligaments}
2002/30632	{with rotation-limiting stops, e.g. projections or recesses}	2002/3069	{Revision endoprostheses}
2002/30634	{biaxial}	2002/30691	{Drainage means, e.g. for evacuating blood or other fluids}
2002/30635	{Cardan or gimbal joints}	2002/30693	{Air venting means}
2002/30637	{Dual arrangement of two adjacent hinged joints}	2002/30695	{Sound-damping or noise-reducing means}
2002/30639	{having rolling elements between both articulating surfaces}	2002/30696	{Means for preventing the accidental forgetting of prosthetic parts inside the body during operation}
2002/3064	{Ball bearings}	2002/30698	{Alarm means}
2002/30642	{having a single rolling (or sliding) ball articulating between two cups}	2002/307	{Prostheses for animals}
2002/30644	{Roller bearings}	2002/30701	{for cats}
2002/30645	{Needle bearings}	2002/30703	{for dogs}
2002/30647	{Joints made of two toroidal rings engaged together}	2002/30705	{for horses}
2002/30649	{Ball-and-socket joints}	2002/30706	{specially designed for children, e.g. having means for adjusting to their growth}
2002/3065	{Details of the ball-shaped head}	2002/30708	{Means for distinguishing between left-sided and right-sided devices, Sets comprising both left-sided and right-sided prosthetic parts}
2002/30652	{Special cut-outs, e.g. flat or grooved cut-outs}	2002/3071	{Identification means; Administration of patients}
2002/30654	{Details of the concave socket}	2002/30711	{with bar code}
2002/30655	{Non-spherical concave inner surface}	2002/30713	{colour-coded}
2002/30657	{made of different partially-spherical concave portions}	2002/30714	{coded with symbols, e.g. dots, numbers, letters, words}
2002/30658	{having a central conforming area surrounded by a peripheral annular non-conforming area}	2002/30716	{for single use, e.g. having means for preventing re-use}
2002/3066	{having a central non-conforming area surrounded by a peripheral annular conforming area}	2002/30718	{Means for protecting prosthetic parts, e.g. during operation}
2002/30662	{with rotation-limiting means}	2002/30719	{Means for cleaning prostheses}
2002/30663	{multiaxial, e.g. biaxial; multipolar, e.g. bipolar or having an intermediate shell articulating between the ball and the socket}	2/30721	{Accessories}
2002/30665	{Dual arrangement of two adjacent ball-and-socket joints}	2/30723	{Plugs or restrictors for sealing a cement-receiving space (tools for inserting plugs A61F 2/4614 ; sealing collars for use during cementing A61B 17/8808)}
2002/30667	{Features concerning an interaction with the environment or a particular use of the prosthesis}	2/30724	{Spacers for centering an implant in a bone cavity, e.g. in a cement-receiving cavity}
2002/30668	{Means for transferring electromagnetic energy to implants}	2002/30726	{Centering or guiding rods, e.g. for insertion of femoral shafts}
2002/3067	{for data transfer}		
2002/30672	{temporary}		

2/30728	{Collars; Bone edge protectors (A61F 2/30734 takes precedence; sealing collars for use during cementing A61B 17/8808)}	2002/30775	{with two portions of opposite threads, i.e. a right-hand thread and a left-hand thread}
2002/30729	{Separate collars}	2002/30777	{Oblong apertures}
2002/30731	{Bone edge protectors}	2002/30779	{arcuate}
2002/30733	{Inserts placed into an endoprosthetic cavity, e.g. for modifying a material property}	2002/3078	{having an undulated contour, e.g. made of intercommunicating circular holes}
2/30734	{Modular inserts, sleeves or augments, e.g. placed on proximal part of stem for fixation purposes or wedges for bridging a bone defect}	2002/30782	{inclined obliquely}
2002/30736	{Augments or augmentation pieces, e.g. wedges or blocks for bridging a bone defect}	2002/30784	{Plurality of holes}
2002/30738	{Sleeves}	2002/30785	{parallel}
2/30739	{Devices connected to the proximal part of an endoprosthetic femoral shaft for reinforcing or replacing the trochanters, e.g. the greater trochanter (proximal parts of endoprosthetic femoral shafts A61F 2/367 ; non-prosthetic trochanteric devices A61B 17/74)}	2002/30787	{inclined obliquely with respect to each other}
2002/30741	{for the lesser trochanter}	2002/30789	{perpendicular with respect to each other}
2/30742	{Bellows or hose-like seals; Sealing membranes (A61B 17/8808 takes precedence; sealing membranes for retaining bone substitute A61F 2/2846)}	2002/3079	{Stepped or enlarged apertures, e.g. having discrete diameter changes}
2/30744	{End caps, e.g. for closing an endoprosthetic cavity}	2002/30792	{Dual tapered apertures}
2002/30746	{closable by a rotation different from screwing or bayonet coupling, e.g. about the cap central longitudinal axis}	2002/30794	{the enlarged portion being used for receiving and hiding a screw head, a nut or a closing cap}
2002/30747	{closable by translation}	2002/30795	{Blind bores, e.g. of circular cross-section}
2/30749	{Fixation appliances for connecting prostheses to the body}	2002/30797	{internally-threaded}
2002/30751	{for attaching cartilage scaffolds to underlying bone}	2002/30799	{with two portions of opposite threads, i.e. a right-hand thread and a left-hand thread}
2002/30752	{by means of a bed of granular material}	2002/308	{oblong}
2002/30754	{Implants for interposition between two natural articular surfaces}	2002/30802	{arcuate}
2/30756	{Cartilage endoprostheses (A61F 2/3603 takes precedence)}	2002/30803	{inclined obliquely}
2002/30757	{made of a sheet covering the natural articular surface, e.g. cap}	2002/30805	{Recesses of comparatively large area with respect to their low depth}
2002/30759	{Mosaicplasty, i.e. using a plurality of individual cartilage plugs for filling a substantial cartilage defect}	2002/30807	{Plurality of blind bores}
2002/30761	{Support means for artificial cartilage, e.g. cartilage defect covering membranes}	2002/30808	{parallel}
2002/30762	{Means for culturing cartilage}	2002/3081	{inclined obliquely with respect to each other}
2002/30764	{Cartilage harvest sites}	2002/30812	{perpendicular with respect to each other}
2002/30766	{Scaffolds for cartilage ingrowth and regeneration}	2002/30813	{Stepped or enlarged blind bores, e.g. having discrete diameter changes}
2/30767	{Special external and/or bone-contacting surfaces, e.g. coating for improving bone ingrowth (materials for coating prostheses A61L 27/28)}	2002/30815	{the enlarged portion being used for receiving and hiding a screw head, a nut or a closing cap}
2002/30769	{madreporic}	2002/30817	{Intersecting or overlapping blind bores}
2/30771	{applied in original prostheses, e.g. holes, grooves (etching the surface A61F 2/30767)}	2002/30818	{castellated or crenellated}
2002/30772	{Apertures or holes, e.g. of circular cross section}	2002/3082	{Grooves}
2002/30774	{internally-threaded}	2002/30822	{Circumferential grooves}
		2002/30823	{having the shape of a reverse dovetail}
		2002/30825	{arcuate}
		2002/30827	{Plurality of grooves}
		2002/30828	{parallel}
		2002/3083	{inclined obliquely with respect to each other}
		2002/30831	{perpendicular with respect to each other}
		2002/30833	{with enlarged portion}
		2002/30835	{for receiving and hiding a screw head or a nut}
		2002/30836	{knurled}
		2002/30838	{Microstructures}
		2002/3084	{Nanostructures}

2002/30841	{Sharp anchoring protrusions for impaction into the bone, e.g. sharp pins, spikes}	2/30907	{Nets or sleeves applied to surface of prostheses or in cement}
2002/30843	{Pyramidally-shaped}	2002/30909	{Nets}
2002/30845	{with cutting edges}	2002/30911	{having a honeycomb structure}
2002/30846	{circular}	2002/30912	{made of expanded metal, e.g. diamond mesh or metal nets having lozenge-shaped apertures}
2002/30848	{straight}	2002/30914	{Details of the mesh structure, e.g. disposition of the woven warp and weft wires}
2002/3085	{with a threaded, e.g. self-tapping, bone-engaging surface, e.g. external surface}	2002/30915	{made of a stack of bonded perforated sheets, grids or wire meshes}
2002/30851	{Multiple threadings}	2002/30917	{for avoiding direct contact between bone and implant, e.g. extensible membrane for preventing contamination or for easy removal}
2002/30853	{Double threadings}	2002/30919	{Sleeves}
2002/30855	{Quadruple or higher rank multiple threadings}	2002/3092	{having an open-celled or open-pored structure}
2002/30856	{Triple threadings}	2002/30922	{Hardened surfaces}
2002/30858	{Threads interrupted by grooves or sidewalls, e.g. flat sidewalls}	2002/30924	{by shot peening}
2002/30859	{having threaded portions of different pitches}	2002/30925	{etched}
2002/30861	{having threads of increasing or decreasing height}	2002/30927	{Electrolytic etching}
2002/30863	{the entry end surface having flutes, relief grooves, starter notches or bevelled indentations}	2002/30929	{having at least two superposed coatings}
2002/30864	{Microthreads}	2002/3093	{for promoting ingrowth of bone tissue}
2002/30866	{Rounded threads}	2002/30932	{for retarding or preventing ingrowth of bone tissue}
2002/30868	{Square, rectangular or rhomboidal threads}	2002/30934	{Special articulating surfaces}
2002/30869	{Dovetail-shaped}	2002/30935	{Concave articulating surface composed of a central conforming area surrounded by a peripheral annular non-conforming area}
2002/30871	{Trapezoidal threads}	2002/30937	{with cut-outs}
2002/30873	{Threadings machined on non-cylindrical external surfaces}	2002/30939	{Means for modifying the geometry of articulating surfaces, e.g. for compensating excessive clearance caused by wear}
2002/30874	{on conical, e.g. frustoconical, surfaces}	2/3094	{Designing or manufacturing processes (not used, see subgroups)}
2002/30876	{on spherical, e.g. hemispherical, surfaces}	2/30942	{for designing or making customized prostheses, e.g. using templates, CT or NMR scans, finite-element analysis or CAD-CAM techniques (computer-assisted sizing or machining of dental prostheses A61C 13/0004; CAD-CAM techniques per se G05B 19/4202)}
2002/30878	{with non-sharp protrusions, for instance contacting the bone for anchoring, e.g. keels, pegs, pins, posts, shanks, stems, struts}	2002/30943	{using mathematical models}
2002/30879	{Ribs}	2002/30945	{using geometrical models}
2002/30881	{Circumferential ribs}	2002/30947	{Fractal geometry}
2002/30883	{dovetail-shaped}	2002/30948	{using computerized tomography, i.e. CT scans}
2002/30884	{Fins or wings, e.g. longitudinal wings for preventing rotation within the bone cavity}	2002/3095	{using computerized axial tomography, i.e. CAT scans}
2002/30886	{externally-threaded}	2002/30952	{using CAD-CAM techniques or NC-techniques}
2002/30887	{with two portions of opposite threads, i.e. a right-hand thread and a left-hand thread}	2002/30953	{using a remote computer network, e.g. Internet}
2002/30889	{Arcuate pegs}	2002/30955	{using finite-element analysis}
2002/30891	{Plurality of protrusions}	2002/30957	{using a positive or a negative model, e.g. moulds}
2002/30892	{parallel}	2002/30958	{using lost patterns, e.g. lost wax}
2002/30894	{inclined obliquely with respect to each other}	2002/3096	{trimmed or cut to a customised size}
2002/30896	{perpendicular with respect to each other}	2002/30962	{using stereolithography}
2002/30897	{Stepped protrusions, i.e. having discrete diameter changes}	2002/30963	{using templates, e.g. grid charts}
2002/30899	{Protrusions pierced with apertures}		
2002/30901	{longitudinally}		
2002/30902	{laterally or radially}		
2002/30904	{serrated profile, i.e. saw-toothed}		
2002/30906	{shot- sand- or grit-blasted}		

2/30965	{Reinforcing the prosthesis by embedding particles or fibres during moulding or dipping}	2002/3401	{with radial apertures, e.g. radial bores for receiving fixation screws}
2002/30967	{Diffusion bonding}	2002/3403	{Polar aperture}
2002/30968	{Sintering}	2002/3404	{internally-threaded}
2002/3097	{using laser}	2002/3406	{Oblong apertures}
2002/30971	{Laminates, i.e. layered products}	2002/3408	{Shells having at least two sets of different apertures, e.g. one set located in the equatorial zone and another set located in the polar zone}
2002/30973	{Two joined adjacent layers having complementary interlocking protrusions and recesses}	2002/3409	{having a bayonet coupling between an outer shell and a bearing insert}
2002/30975	{made of two halves}	2002/3411	{having a snap connection between two concentric shells}
2002/30976	{using hydrojet}	2002/3412	{with pins or protrusions, e.g. non-sharp pins or protrusions projecting from a shell surface}
2002/30978	{using electrical discharge machining [EDM]}	2002/3414	{Polar protrusion, e.g. for centering two concentric shells}
2002/3098	{using physical vapour deposition [PVD]}	2002/3416	{externally-threaded}
2002/30981	{using chemical vapour deposition [CVD]}	2002/3417	{the outer shell having protrusions on meridian lines, e.g. equidistant fins or wings around the equatorial zone}
2002/30983	{using electrostatic spray deposition [ESD]}	2002/3419	{Meridian ribs}
2002/30985	{using three dimensional printing [3DP]}	2002/342	{the outer shell having circumferential protrusions parallel to the equatorial plane, e.g. circumferential fins or wings}
2002/30986	{using hot isostatic pressing [HIP]}	2002/3422	{Circumferential ribs}
2/30988	{Other joints not covered by any of the groups A61F 2/32 - A61F 2/4425 }	2002/3424	{arranged in rows, the circumferential ribs covering only partially the outer shell surface, e.g. located in the equatorial zone}
2/3099	{for temporo-mandibular [TM, TMJ] joints (endoprotheses for mandibular reconstruction A61F 2/2803)}	2002/3425	{the outer shell having non-meridian protrusions, e.g. fins or wings, located in planes inclined or perpendicular with respect to the equatorial plane}
2002/30991	{Mandibular components}	2002/3427	{Non-meridian ribs, e.g. parallel ribs, inclined or perpendicular with respect to the equatorial plane}
2002/30993	{Temporal components}	2002/3429	{with an integral peripheral collar or flange, e.g. oriented away from the shell centre line}
2002/30995	{for sacro-iliac joints}	2002/343	{partial, i.e. not extending along the entire equatorial circumference}
2002/30996	{for sterno-clavicular joints}	2002/3432	{having apertures for receiving fixation screws}
2002/30998	{for acromio-clavicular joints}	2002/3433	{with cut-outs, e.g. for allowing escape of excess bone cement}
2/32	for the hip	2002/3435	{peripheral lip, e.g. elastic lip}
	NOTE	2002/3437	{oriented inwardly towards the shell centre line}
	Documents, which are of interest for more than one of the following subgroups, are classified in the hierarchically higher group only	2002/3438	{hollow, e.g. clearance between inner and outer shells}
2002/3208	{Bipolar or multipolar joints, e.g. having a femoral head articulating within an intermediate acetabular shell whilst said shell articulates within the natural acetabular socket or within an artificial outer shell}	2002/344	{the inner shell having an inner hip femoral head-receiving cavity offset from its centre line}
2002/3216	{tripolar}	2002/3441	{the outer shell having an outer surface and an inner insert receiving cavity being angularly inclined with respect to the longitudinal axis of the outer surface}
2002/3225	{the diameter of the inner concave femoral head-receiving cavity of the inner acetabular shell being essentially greater than the diameter of the convex femoral head}	2002/3443	{with an anti-luxation elevated rim portion, e.g. on the inner shell}
2002/3233	{having anti-luxation means for preventing complete dislocation of the femoral head from the acetabular cup}	2002/3445	{having a number of shells different from two}
2002/3241	{having a ring, e.g. for locking the femoral head into the acetabular cup}		
2002/325	{Split ring}		
2002/3258	{Elastic or split ring, slidable from a first insertion position to a second locked position}		
2002/3266	{Wire ring}		
2002/3275	{Partial ring, i.e. not extending along the entire equatorial circumference}		
2002/3283	{having two rings}		
2002/3291	{for locking two concentric acetabular shells}		
2/34	Acetabular cups		

2002/3446	. . . . .	{Single cups}	2002/3495	. . . . .	{Spherical shell significantly smaller than a hemisphere, e.g. extending over less than 160 degrees}
2002/3448	. . . . .	{Multiple cups made of three or more concentric shells fitted or nested into one another}	2002/3496	. . . . .	{having a non-spherical concave inner surface}
2002/345	. . . . .	{the inner and outer (hemi)spherical surfaces of a shell, e.g. an intermediate shell, having distinct centres of rotation, both located on the centre line of the shell}	2002/3498	. . . . .	{made of different partially-spherical concave portions}
2002/3451	. . . . .	{with angular positioning means for selecting any one of a plurality of radial orientations between two concentric shells, e.g. at discrete positions}	2/36	. . . . .	Femoral heads (; Femoral endoprotheses)
2002/3453	. . . . .	{having a non-hemispherical convex outer surface, e.g. quadric-shaped}	2/3601	. . . . .	{for replacing only the epiphyseal or metaphyseal parts of the femur, e.g. endoprothetic femoral heads or necks directly fixed to the natural femur by internal fixation devices (non-prosthetic internal fixation devices for the femoral head or neck A61B 17/74)}
2002/3454	. . . . .	{having an oblong, oval or elliptical cross-section in the equatorial plane}	2/3603	. . . . .	{implanted without ablation of the whole natural femoral head (endoprothetic cartilage A61F 2/30756)}
2002/3456	. . . . .	{ellipsoidal or having a flattened polar region}	2002/3605	. . . . .	{made of two or more concentric caps fitted onto one another}
2002/3458	. . . . .	{having a flattened polar plane}	2/3607	. . . . .	{including proximal or total replacement of the femur}
2002/3459	. . . . .	{made of different partially-spherical portions}	2/3609	. . . . .	{Femoral heads or necks; Connections of endoprothetic heads or necks to endoprothetic femoral shafts (A61F 2/3601 takes precedence)}
2002/3461	. . . . .	{having a lower equatorial peripheral spherical portion and an upper polar spherical portion, e.g. of differing radii or centres of rotation}	2002/3611	. . . . .	{Heads or epiphyseal parts of femur}
2002/3462	. . . . .	{having a frustoconical external shape, e.g. entirely frustoconical}	2002/3613	. . . . .	{with lateral or oblique apertures, holes or openings}
2002/3464	. . . . .	{partially frustoconical}	2002/3615	. . . . .	{having a concave shape, e.g. hemispherical cups}
2002/3466	. . . . .	{having a cylindrical external shape, e.g. entirely cylindrical}	2002/3617	. . . . .	{with special cut-outs, e.g. flat cut-outs for inserting the head into a cooperating shell, in a given insertion position}
2002/3467	. . . . .	{partially cylindrical}	2002/3619	. . . . .	{hollow}
2002/3469	. . . . .	{with non-radial inner bores or canals}	2002/3621	. . . . .	{pierced with a longitudinal bore}
2002/347	. . . . .	{with a slotted shell, e.g. outer shell having radial or meridian slots}	2002/3623	. . . . .	{Non-spherical heads}
2002/3472	. . . . .	{with one radial or meridian slot ending in a polar aperture}	2002/3625	. . . . .	{Necks}
2002/3474	. . . . .	{slots ending in non-polar apertures}	2002/3627	. . . . .	{with lateral apertures, holes or openings}
2002/3475	. . . . .	{horizontal slots, i.e. parallel to the equatorial plane}	2002/3629	. . . . .	{inclined obliquely}
2002/3477	. . . . .	{arcuate slots}	2002/3631	. . . . .	{with an integral complete or partial peripheral collar or bearing shoulder at its base}
2002/3479	. . . . .	{Cage-like shells, e.g. hemispherical outer shells made of meridian strips or wires connected to an equatorial strip, rim or wire}	2002/3633	. . . . .	{with an integral protrusion extending distally under the collar}
2002/348	. . . . .	{Additional features}	2002/3635	. . . . .	{having a separate element placed under the collar}
2002/3482	. . . . .	{Two hemispherical halves having completely different structures}	2002/3637	. . . . .	{with an angled portion, e.g. oriented towards the lesser trochanter}
2002/3483	. . . . .	{having a convex shape, e.g. hemispherical heads}	2002/3639	. . . . .	{with cut-outs}
2002/3485	. . . . .	{Shells made of block segments linked by thin connecting strips}	2002/3641	. . . . .	{pierced with apertures perpendicular to the collar longitudinal axis}
2002/3487	. . . . .	{Partial acetabular cups, e.g. strips replacing only partially the natural acetabular cartilage}	2002/3643	. . . . .	{pierced with apertures parallel or oblique with respect to the collar longitudinal axis}
2002/3488	. . . . .	{for allowing sliding or for preventing hurting of the psoas muscle}	2002/3645	. . . . .	{hollow}
2002/349	. . . . .	{Shell having a wavy or undulated peripheral rim}	2002/3647	. . . . .	{pierced with a longitudinal bore}
2002/3491	. . . . .	{partial, i.e. not extending along the entire equatorial circumference}	2002/3649	. . . . .	{offset from the neck central longitudinal axis}
2002/3493	. . . . .	{Spherical shell significantly greater than a hemisphere, e.g. extending over more than 200 degrees}			

2002/365	. . . . .	{Connections of heads to necks}	2/385	. . . . .	{also provided with condylar bearing surfaces}
2002/3652	. . . . .	{Connections of necks to shafts}	2/3854	. . . . .	{with ball and socket joint}
2002/3654	. . . . .	{Connections of heads directly to shafts}	2/3859	. . . . .	{Femoral components}
2002/3656	. . . . .	{with angular positioning means for selecting any one of a plurality of radial orientations, e.g. at discrete positions}	2002/3863	. . . . .	{Condyles fitted on an anchored base}
2002/3658	. . . . .	{Two angular positions, e.g. located at 180 degrees intervals}	2/3868	. . . . .	{with sliding tibial bearing}
2002/366	. . . . .	{at continuous positions}	2/3872	. . . . .	{Meniscus for implantation between the natural bone surfaces}
2/3662	. . . . .	{Femoral shafts}	2/3877	. . . . .	{Patellae or trochleae}
2002/3664	. . . . .	{with non-sharp protrusions}	2002/3881	. . . . .	{with moving parts}
2002/3666	. . . . .	{Circumferential flanges or fins}	2/3886	. . . . .	{for stabilising knees against anterior or lateral dislocations}
2002/3668	. . . . .	{Longitudinal fins or wings, e.g. for preventing rotation within the intramedullary bone cavity}	2/389	. . . . .	{Tibial components (A61F 2/3868 takes precedence)}
2/367	. . . . .	{Proximal or metaphyseal parts of shafts (trochanteric devices connected to said proximal parts A61F 2/30739)}	2002/3895	. . . . .	{unicompartmental}
2/3672	. . . . .	{Intermediate parts of shafts}	2/40	. . . . .	for shoulders
2002/3674	. . . . .	{Connections of proximal parts to distal parts}			NOTE
2/3676	. . . . .	{Distal or diaphyseal parts of shafts}			Documents, which are of interest for more than one of the following subgroups, are classified in the hierarchically higher group only
2002/3678	. . . . .	{Geometrical features}	2/4003	. . . . .	{Replacing only the epiphyseal or metaphyseal parts of the humerus, i.e. endoprosthesis not comprising an entire humeral shaft (replacing only the epiphyseal or metaphyseal parts of the femur A61F 2/3601)}
2002/368	. . . . .	{with lateral apertures, bores, holes or openings, e.g. for reducing the mass, for receiving fixation screws or for communicating with the inside of a hollow shaft}	2002/4007	. . . . .	{implanted without ablation of the whole natural humeral head}
2002/3682	. . . . .	{Oblong apertures}	2002/4011	. . . . .	{including proximal or total replacement of the humerus}
2002/3684	. . . . .	{inclined obliquely with respect to the shaft longitudinal axis, e.g. along the neck axis}	2/4014	. . . . .	{Humeral heads or necks; Connections of endoprosthetic heads or necks to endoprosthetic humeral shafts}
2002/3686	. . . . .	{bent}	2002/4018	. . . . .	{Heads or epiphyseal parts of humerus}
2002/3688	. . . . .	{with opposite proximal and distal curvatures, i.e. S-shaped shaft}	2002/4022	. . . . .	{having a concave shape, e.g. hemispherical cups}
2002/369	. . . . .	{Stepped shaft, i.e. having discrete diameter changes}	2002/4025	. . . . .	{hollow}
2002/3692	. . . . .	{hollow}	2002/4029	. . . . .	{Necks}
2002/3694	. . . . .	{with longitudinal bores}	2002/4033	. . . . .	{with an integral complete or partial peripheral collar at its base}
2002/3696	. . . . .	{slotted}	2002/4037	. . . . .	{Connections of heads to necks}
2002/3698	. . . . .	{twisted about the longitudinal axis of the shaft}	2002/404	. . . . .	{with a clearance between proximal end of neck and inner end of head}
2/38	. . . . .	for elbows or knees	2002/4044	. . . . .	{Connections of necks to shafts}
		NOTE	2002/4048	. . . . .	{with an inner clearance between both parts}
		Documents, which are of interest for more than one of the following subgroups, are classified in the hierarchically higher group only	2002/4051	. . . . .	{Connections of heads directly to shafts}
2/3804	. . . . .	{for elbows}	2002/4055	. . . . .	{with an inner clearance between both parts}
2002/3809	. . . . .	{for radio-humeral joints}	2/4059	. . . . .	{Humeral shafts}
2002/3813	. . . . .	{for ulno-humeral joints}	2002/4062	. . . . .	{Proximal or metaphyseal parts of shafts}
2002/3818	. . . . .	{for proximal radio-ulnar joints, i.e. PRU joints}	2002/4066	. . . . .	{for replacement or reinforcement of the greater tubercle}
2002/3822	. . . . .	{Humeral components}	2002/407	. . . . .	{Intermediate parts of shafts}
2002/3827	. . . . .	{Radial components}	2002/4074	. . . . .	{Connections of proximal or metaphyseal parts to distal or diaphyseal parts}
2002/3831	. . . . .	{Ulnar components}	2002/4077	. . . . .	{Distal or diaphyseal parts of shafts}
2/3836	. . . . .	{Special connection between upper and lower leg, e.g. constrained}	2/4081	. . . . .	{Glenoid components, e.g. cups}
2/384	. . . . .	{hinged, i.e. with transverse axle restricting the movement}	2002/4085	. . . . .	{having a convex shape, e.g. hemispherical heads}
2/3845	. . . . .	{allowing only for single rotation}			

2002/4088	. . . .	{Acromial components}	2002/4415	. . . .	{elements of the prosthesis being arranged in a chain like manner}
2002/4092	. . . .	{Clavicular components}	2/442	. . . .	{Intervertebral or spinal discs, e.g. resilient (non-disc-shaped intervertebral inflatable pockets A61F 2/441 ; non-disc-shaped intervertebral fusion implants A61F 2/4455)}
2002/4096	. . . .	{Coracoid process components}	2/4425	. . . .	{made of articulated components}
2/42	. . .	for wrists or ankles; for hands, e.g. fingers; for feet, e.g. toes	2002/443	. . . .	{having two transversal endplates and at least one intermediate component}
2/4202	. . . .	{for ankles}	2002/4435	. . . .	{Support means or repair of the natural disc wall, i.e. annulus, e.g. using plates, membranes or meshes}
2002/4205	. . . .	{Tibial components}	2002/444	. . . .	{for replacing the nucleus pulposus}
2002/4207	. . . .	{Talar components}	2002/4445	. . . .	{Means for culturing intervertebral disc tissue}
2002/421	. . . .	{Fibular components, e.g. fibular-malleolar shields}	2002/445	. . . .	{Intervertebral disc tissue harvest sites}
2002/4212	. . . .	{Tarsal bones}	2/4455	. . . .	{for the fusion of spinal bodies, e.g. intervertebral fusion of adjacent spinal bodies, e.g. fusion cages (intervertebral discs A61F 2/442)}
2002/4215	. . . .	{Lateral row of tarsal bones}	2/446	. . . .	{having a circular or elliptical cross-section substantially parallel to the axis of the spine, e.g. cylinders or frustocones}
2002/4217	. . . .	{Calcaneum or calcaneus or heel bone}	2/4465	. . . .	{having a circular or kidney shaped cross-section substantially perpendicular to the axis of the spine}
2002/422	. . . .	{Medial row of tarsal bones}	2/447	. . . .	{substantially parallelepipedal, e.g. having a rectangular or trapezoidal cross-section}
2002/4223	. . . .	{Implants for correcting a flat foot}	2002/4475	. . . .	{hollow}
2/4225	. . . .	{for feet, e.g. toes}	2002/448	. . . .	{comprising multiple adjacent spinal implants within the same intervertebral space or within the same vertebra, e.g. comprising two adjacent spinal implants}
2002/4228	. . . .	{for interphalangeal joints, i.e. IP joints}	2002/4485	. . . .	{comprising three or more adjacent spinal implants}
2002/423	. . . .	{for big or great toes}	2002/449	. . . .	{comprising multiple spinal implants located in different intervertebral spaces or in different vertebrae}
2002/4233	. . . .	{for metatarso-phalangeal joints, i.e. MTP joints}	2002/4495	. . . .	{having a fabric structure, e.g. made from wires or fibres}
2002/4235	. . . .	{for big or great toes}	2/46	. . .	Special tools or methods for implanting or extracting artificial joints, accessories, bone grafts or substitutes, or particular adaptations therefor
2002/4238	. . . .	{for tarso-metatarsal joints, i.e. TMT joints}	2/4601	. . . .	{for introducing bone substitute, for implanting bone graft implants or for compacting them in the bone cavity (for introducing bone cement A61B 17/8805)}
2/4241	. . . .	{for hands, e.g. fingers}	2002/4602	. . . .	{for compacting}
2002/4243	. . . .	{for interphalangeal joints, i.e. IP joints}	2/4603	. . . .	{for insertion or extraction of endoprosthetic joints or of accessories thereof}
2002/4246	. . . .	{for distal interphalangeal joints, i.e. DIP joints}	2/4605	. . . .	{of elbows}
2002/4248	. . . .	{for proximal interphalangeal joints, i.e. PIP joints}	2/4606	. . . .	{of wrists or ankles; of hands, e.g. fingers; of feet, e.g. toes}
2002/4251	. . . .	{for metacarpo-phalangeal joints, i.e. MCP or MP joints, e.g. knuckle joints}	2/4607	. . . .	{of hip femoral endoprostheses}
2002/4253	. . . .	{for thumbs}	2/4609	. . . .	{of acetabular cups}
2002/4256	. . . .	{for carpo-metacarpal joints, i.e. CMC joints}	2/461	. . . .	{of knees}
2002/4258	. . . .	{for trapezo-metacarpal joints of thumbs}	2/4611	. . . .	{of spinal prostheses}
2/4261	. . . .	{for wrists}	2/4612	. . . .	{of shoulders}
2002/4264	. . . .	{for radio-carpal joints}	2/4614	. . . .	{of plugs for sealing a cement-receiving space}
2002/4266	. . . .	{for ulno-carpal joints}	2002/4615	. . . .	{of spacers}
2002/4269	. . . .	{for distal radio-ulnar joints, i.e. DRU joints}	2002/4616	. . . .	{of temporo-mandibular joints}
2002/4271	. . . .	{Carpal bones}	2/4618	. . . .	{of cartilage}
2002/4274	. . . .	{Distal carpal row, i.e. bones adjacent the metacarpal bones}			
2002/4276	. . . .	{Trapezium}			
2002/4279	. . . .	{Trapezoid}			
2002/4282	. . . .	{Capitate}			
2002/4284	. . . .	{Hamate}			
2002/4287	. . . .	{Proximal carpal row, i.e. bones adjacent the radius and the ulna}			
2002/4289	. . . .	{Scaphoid or navicular bone}			
2002/4292	. . . .	{Lunate}			
2002/4294	. . . .	{Triquetrum}			
2002/4297	. . . .	{Pisiform bone}			
2/44	. . .	for the spine, e.g. vertebrae, spinal discs			
2/4405	. . . .	{for apophyseal or facet joints, i.e. between adjacent spinous or transverse processes (devices implanted between spinous or transverse processes A61B 17/7062)}			
2/441	. . . .	{made of inflatable pockets or chambers filled with fluid, e.g. with hydrogel}			

- 2002/4619 {for extraction}
- 2002/462 {of broken endoprosthetic joint parts}
- 2002/4622 {having the shape of a forceps or a clamp}
- 2002/4623 {having a handle portion, e.g. integral with the implanting tool}
- 2002/4624 {releasable from the implanting tool}
- 2002/4625 {with relative movement between parts of the instrument during use}
- 2002/4627 {with linear motion along or rotating motion about the instrument axis or the implantation direction, e.g. telescopic, along a guiding rod, screwing inside the instrument}
- 2002/4628 {with linear motion along or rotating motion about an axis transverse to the instrument axis or to the implantation direction, e.g. clamping}
- 2002/4629 {connected to the endoprosthesis or implant via a threaded connection}
- 2002/4631 {the prosthesis being specially adapted for being cemented}
- 2002/4632 {using computer-controlled surgery, e.g. robotic surgery}
- 2002/4633 {for selection of endoprosthetic joints or for pre-operative planning}
- 2002/4635 {using minimally invasive surgery}
- 2002/4636 {through the hip femoral neck}
- 2/4637 {for connecting or disconnecting two parts of a prosthesis}
- 2002/4638 {Tools for performing screwing, e.g. nut or screwdrivers, or particular adaptations therefor}
- 2002/464 {of end caps for closing a prosthetic cavity}
- 2002/4641 {for disconnecting}
- 2002/4642 {for inserting or connecting a locking mechanism}
- 2/4644 {Preparation of bone graft, bone plugs or bone dowels, e.g. grinding or milling bone material ([bone material A61F 2/28](#); [disintegrating or milling devices B02C](#))}
- 2002/4645 {Devices for grinding or milling bone material}
- 2002/4646 {Devices for cleaning bone graft}
- 2002/4648 {Means for culturing bone graft}
- 2002/4649 {Bone graft or bone dowel harvest sites}
- 2002/465 {using heating means}
- 2002/4651 {Electric or electromagnetic heating}
- 2002/4653 {using cooling means}
- 2002/4654 {Cryogenic cooling}
- 2002/4655 {for introducing lubricating fluid}
- 2/4657 {Measuring instruments used for implanting artificial joints ([for surgical instruments A61B 90/06](#))}
- 2002/4658 {for measuring dimensions, e.g. length}
- 2002/4659 {for measuring a diameter}
- 2002/4661 {for measuring thickness}
- 2002/4662 {for measuring penetration depth}
- 2002/4663 {for measuring volumes or other three-dimensional shapes}
- 2002/4664 {for measuring concinities}
- 2002/4666 {for measuring force, pressure or mechanical tension}
- 2002/4667 {for measuring torque}
- 2002/4668 {for measuring angles}
- 2002/467 {for measuring fluid pressure}
- 2002/4671 {for measuring resonant frequency}
- 2002/4672 {for measuring temperature}
- 2002/4674 {for measuring the pH}
- 2/4675 {for cleaning or coating bones, e.g. bone cavities, prior to endoprosthesis implantation or bone cement introduction ([for cleaning teeth cavities A61C 17/00](#); [irrigators A61M 3/02](#))}
- 2002/4676 {for coating the bony surface}
- 2002/4677 {using a guide wire}
- 2002/4679 {having quick release means}
- 2/468 {Testing instruments for artificial joints ([for testing non-implantable prostheses A61F 2/76](#))}
- 2002/4681 {by applying mechanical shocks, e.g. by hammering}
- 2002/4683 {by applying ultrasonic vibrations}
- 2/4684 {Trial or dummy prostheses}
- 2002/4685 {by means of vacuum}
- 2002/4687 {Mechanical guides for implantation instruments}
- 2002/4688 {having operating or control means}
- 2002/4689 {acoustic}
- 2002/469 {electrical}
- 2002/4692 {fluid}
- 2002/4693 {hydraulic}
- 2002/4694 {pneumatic}
- 2002/4696 {optical}
- 2002/4697 {visual}
- 2002/4698 {magnetic}
- 2002/48 {Operating or control means}
- 2002/481 {acoustic or audible}
- 2002/482 {electrical}
- 2002/484 {fluid}
- 2002/485 {hydraulic}
- 2002/487 {pneumatic}
- 2002/488 {Means for detecting or monitoring wear}
- 2/50 Prostheses not implantable in the body ([closure means for urethra or rectum or for artificial body openings therefor A61F 2/0004](#))}
- 2002/5001 {Cosmetic coverings}
- 2002/5003 {having damping means, e.g. shock absorbers ([for implantable joints A61F 2002/30563](#))}
- 2002/5004 {operated by electro- or magnetorheological fluids}
- 2002/5006 {Dampers, e.g. hydraulic damper}
- 2002/5007 {having elastic means different from springs, e.g. including an elastomeric insert ([elastic coating A61F 2002/3007](#); [springs A61F 2002/5072](#); [plate-like springs for feet A61F 2002/6657](#))}
- 2002/5009 {having two or more elastomeric blocks}
- 2002/501 {having an inflatable pocket filled with fluid, i.e. liquid or gas ([A61F 2/602](#), [A61F 2002/74](#), [A61F 2/7843](#) take precedence; [for lubrication A61F 2002/5086](#))}
- 2002/5012 {having two or more inflatable pockets}
- 2002/5013 {filled with particles ([for joints A61F 2002/30588](#))}
- 2002/5015 {hardenable fluid, e.g. curable in-situ or cold-hardening casting substance}

- 2002/5016 . . {adjustable (for implantable prostheses [A61F 2002/30537](#))}
- 2002/5018 . . . {for adjusting angular orientation}
- 2002/502 . . . {for adjusting length (for implantable joints [A61F 2002/3055](#))}
- 2002/5021 . . . {for adjusting a position by translation along an axis}
- 2002/5023 {along two perpendicular axes}
- 2002/5024 . . . {for adjusting thickness}
- 2002/5026 . . . {for adjusting a diameter}
- 2002/5027 . . . {for adjusting cross-section}
- 2002/5029 . . . {for adjusting weight or mass}
- 2002/503 . . . {for adjusting elasticity, flexibility, spring rate or mechanical tension}
- 2002/5032 . . . {for adjusting fluid pressure (inflatable pockets [A61F 2002/501](#), [A61F 2/602](#), [A61F 2/7843](#); fluid operating or control means [A61F 2002/74](#))}
- 2002/5033 . . . {for adjusting damping (damping means [A61F 2002/5003](#))}
- 2002/5035 . . . {for adjusting volume flow}
- 2002/5036 . . . {self-adjustable, e.g. self-learning}
- 2002/5038 . . {Hinged joint, e.g. with transverse axle restricting the movement (for implantable joints [A61F 2002/30624](#))}
- 2002/5039 . . . {allowing only for single rotation}
- 2002/5041 . . . {having bearing bushes between the rotating parts}
- 2002/5043 . . . {with rotation-limiting stops, e.g. projections or recesses}
- 2/5044 . . {Designing or manufacturing processes (not used, see subgroup)}
- 2/5046 . . . {for designing or making customized prostheses, e.g. using templates, finite-element analysis or CAD-CAM techniques}
- 2002/5047 {using mathematical models ([A61F 2002/505](#) takes precedence)}
- 2002/5049 {Computer aided shaping, e.g. rapid prototyping}
- 2002/505 {using CAD-CAM techniques or NC-techniques}
- 2002/5052 {Direct moulding or reforming to the stump}
- 2002/5053 {using a positive or a negative model, e.g. casting model or mould}
- 2002/5055 . . . {Reinforcing prostheses by embedding particles or fibres during moulding or dipping, e.g. carbon fibre composites}
- 2002/5056 . . . {Laminates, i.e. layered products}
- 2002/5058 . . {having means for restoring the perception of senses}
- 2002/5059 . . . {the feeling of position}
- 2002/5061 . . . {the sense of touch}
- 2002/5063 . . . {the feeling of temperature, i.e. of warmth or cold}
- 2002/5064 . . . {for reducing pain from phantom limbs}
- 2002/5066 . . {Muscles ([implantable A61F 2002/0894](#))}
- 2002/5067 . . {having rolling elements between articulating surfaces (for implantable joints [A61F 2002/30639](#))}
- 2002/5069 . . . {Ball bearings}
- 2002/507 . . . {Roller bearings}
- 2002/5072 . . . {having spring elements (spring-biased locking means [A61F 2002/30505](#); for implantable joints [A61F 2002/30565](#); other elastic means [A61F 2002/5007](#))}
- 2002/5073 {Helical springs, e.g. having at least one helical spring}
- 2002/5075 {Multiple spring systems including two or more helical springs}
- 2002/5076 {Concentric outer and inner helical springs}
- 2002/5078 . . . {2-D spiral springs}
- 2002/5079 . . . {Leaf springs ([A61F 2002/6657](#) takes precedence)}
- 2002/5081 . . . {Additional features (for implantable joints [A61F 2002/30535](#))}
- 2002/5083 . . . {modular}
- 2002/5084 . . . {telescopic (adjusting length [A61F 2002/502](#))}
- 2002/5086 . . . {Lubricating means}
- 2002/5087 . . . {Sound-damping or noise-reducing means}
- 2002/5089 . . . {waterproof}
- 2002/509 . . . {specially designed for children, e.g. having means for adjusting to their growth ([implantable A61F 2250/0082](#))}
- 2002/5092 . . . {Identification means (for implantable prostheses [A61F 2250/0085](#))}
- 2002/5093 . . . {Tendon- or ligament-replacing cables ([implantable A61F 2/08](#))}
- 2002/5095 . . . {for Achilles tendons}
- 2002/5096 . . . {Ball-and-socket joints (for implantable joints [A61F 2002/30649](#))}
- 2002/5098 {with rotation-limiting means}
- 2/52 . . . Mammary prostheses (brassieres [A41C 3/00](#))
- 2002/523 {Multiple breast forms made of several concentric breast-shaped layers nested into one another}
- 2002/526 {Nipples}
- 2/54 . . . Artificial arms or hands or parts thereof
- 2002/543 . . . {Lower arms or forearms}
- 2002/546 . . . {Upper arms}
- 2/58 . . . Elbows; Wrists ; Other joints; Hands}
- 2/581 {Shoulder joints}
- 2/582 {Elbow joints}
- 2/583 {Hands; Wrist joints}
- 2/585 {Wrist joints}
- 2/586 {Fingers}
- 2002/587 {Thumbs}
- 2/588 {Hands having holding devices shaped differently from human fingers, e.g. claws, hooks, tubes}
- 2/60 . . . Artificial legs or feet or parts thereof
- 2/601 {Peg legs, e.g. wooden legs}
- 2/602 {with air cushions ([A61F 2/7843](#) takes precedence)}
- 2/604 {Joints for artificial legs ([A61F 2/605](#), [A61F 2/64](#), [A61F 2/6607](#) take precedence)}
- 2/605 {Hip joints}
- 2002/607 {Lower legs}
- 2002/608 {Upper legs}
- 2/64 Knee joints
- 2/642 {Polycentric joints, without longitudinal rotation}
- 2/644 {of the single-bar or multi-bar linkage type}

2/646	. . . . .	{of the pin-guiding groove linkage type}	2002/7615	. . . .	{Measuring means (for implanting artificial joints A61F 2/4657)}
2002/648	. . . . .	{Patellae}	2002/762	. . . . .	{for measuring dimensions, e.g. a distance}
2/66	. . . . .	Feet; Ankle joints	2002/7625	. . . . .	{for measuring angular position}
2/6607	. . . . .	{Ankle joints}	2002/763	. . . . .	{for measuring spatial position, e.g. global positioning system [GPS]}
2002/6614	. . . . .	{Feet}	2002/7635	. . . . .	{for measuring force, pressure or mechanical tension}
2002/6621	. . . . .	{Toes}	2002/764	. . . . .	{for measuring acceleration}
2002/6628	. . . . .	{Big toes}	2002/7645	. . . . .	{for measuring torque, e.g. hinge or turning moment, moment of force}
2002/6635	. . . . .	{Metatarsals}	2002/765	. . . . .	{for measuring time or frequency}
2002/6642	. . . . .	{Heels}	2002/7655	. . . . .	{for measuring fluid pressure}
2002/665	. . . . .	{Soles}	2002/766	. . . . .	{for measuring moisture}
2002/6657	. . . . .	{having a plate-like or strip-like spring element, e.g. an energy-storing cantilever spring keel}	2002/7665	. . . . .	{for measuring temperatures}
2002/6664	. . . . .	{Dual structures made of two connected cantilevered leaf springs}	2002/767	. . . . .	{for measuring blood pressure}
2002/6671	. . . . .	{C-shaped}	2002/7675	. . . . .	{for measuring oxygen content}
2002/6678	. . . . .	{L-shaped}	2002/768	. . . . .	{for measuring battery status}
2002/6685	. . . . .	{S-shaped}	2002/7685	. . . . .	{located on natural or sound-site limbs, e.g. comparison measuring means}
2002/6692	. . . . .	{circular or loop-shaped}	2002/769	. . . . .	{Displaying measured values}
2/68	. . . . .	Operating or control means	2002/7695	. . . . .	{Means for testing non-implantable prostheses (for testing implantable prostheses A61F 2240/008 ; for implanting artificial joints A61F 2/468)}
2002/6809	. . . . .	{acoustic}	2/78	. . . . .	Means for protecting prostheses or for attaching them to the body, e.g. bandages, harnesses, straps, or stockings for the limb stump
2002/6818	. . . . .	{for braking}	2002/7806	. . . . .	{using adhesive means (for connecting prosthetic parts A61F 2002/30448)}
2002/6827	. . . . .	{Feedback system for providing user sensation, e.g. by force, contact or position}	2/7812	. . . . .	{Interface cushioning members placed between the limb stump and the socket, e.g. bandages or stockings for the limb stump}
2002/6836	. . . . .	{Gears specially adapted therefor, e.g. reduction gears}	2002/7818	. . . . .	{Stockings or socks for the limb stump (cosmetic coverings A61F 2/0059)}
2002/6845	. . . . .	{Clutches}	2002/7825	. . . . .	{Devices for putting-on or pulling-off stockings}
2002/6854	. . . . .	{for locking or unlocking a joint}	2002/7831	. . . . .	{with a rope for pulling the sock inside the socket}
2002/6863	. . . . .	{magnetic (magnetic prosthetic parts A61F 2002/30079)}	2002/7837	. . . . .	{Sleeves for attaching or protecting, i.e. open ended hoses}
2002/6872	. . . . .	{attached and mechanically operated by remaining muscle (bioelectrical control A61F 2/72)}	2/7843	. . . . .	{Inflatable bladders}
2002/6881	. . . . .	{optical}	2002/785	. . . . .	{Pads, e.g. relief pads}
2002/689	. . . . .	{Alarm means, e.g. acoustic}	2002/7856	. . . . .	{having finger loops or grips}
2/70	. . . . .	electrical (not used, see A61F 2/68 and A61F 2/72)	2002/7862	. . . . .	{Harnesses, straps (for connecting prosthetic parts A61F 2002/30464)}
2002/701	. . . . .	{operated by electrically controlled means, e.g. solenoids or torque motors}	2002/7868	. . . . .	{Means for putting-on or pulling-off prostheses}
2002/702	. . . . .	{Battery-charging stations}	2002/7875	. . . . .	{with releasable ratchets or pegs (snap connections A61F 2002/305 ; pushing a peg into a hole A61F 2002/3038)}
2002/704	. . . . .	{computer-controlled, e.g. robotic control}	2002/7881	. . . . .	{using hook and loop-type fasteners (for connecting prosthetic parts A61F 2002/30467)}
2002/705	. . . . .	{Electromagnetic data transfer (for implantable prostheses A61F 2250/0002)}	2002/7887	. . . . .	{for connecting limb exoprostheses to the stump bone}
2002/707	. . . . .	{Remote control}	2002/7893	. . . . .	{using slide fasteners, e.g. zippers}
2002/708	. . . . .	{electrically self charging}	2/80	. . . . .	Sockets, e.g. of suction type
2/72	. . . . .	Bioelectrical control, e.g. myoelectric	2002/802	. . . . .	{Suction sockets, i.e. utilizing differential air pressure to retain the prosthesis on the stump}
2002/74	. . . . .	{fluid, i.e. hydraulic or pneumatic (inflatable pocket filled with fluid A61F 2002/501)}	2002/805	. . . . .	{having an air valve}
2002/741	. . . . .	{using powered actuators, e.g. stepper motors or solenoids}	2002/807	. . . . .	{having a vacuum reservoir chamber}
2002/742	. . . . .	{Low pressure systems, e.g. vacuum pump}			
2002/744	. . . . .	{Vane- or curved-cylinder type actuators, e.g. actuators using rotary pistons}			
2002/745	. . . . .	{hydraulic}			
2002/747	. . . . .	{pneumatic}			
2002/748	. . . . .	{Valve systems}			
2/76	. . . . .	Means for assembling, fitting or testing prostheses, e.g. for measuring or balancing, (e.g. alignment means)			
2002/7605	. . . . .	{for assembling by heating (for implanting artificial joints A61F 2002/465)}			
2002/761	. . . . .	{for assembling by cooling (for implanting artificial joints A61F 2002/4653)}			

- 2/82 . . . Devices providing patency to, or preventing collapsing of, tubular structures of the body, e.g. stents (stent-grafts for tubular structures of the body other than blood vessels [A61F 2/04](#); stent-grafts for blood vessels [A61F 2/07](#); instruments specially adapted for placement or removal of stents or stent-grafts [A61F 2/95](#); for closing wounds, or holding wounds closed [A61B 17/04](#) - [A61B 17/115](#); dilators [A61M 29/00](#))
- 2002/821 . . . {Ostial stents}
- 2002/823 . . . {Stents, different from stent-grafts, adapted to cover an aneurysm}
- 2002/825 . . . {having longitudinal struts}
- 2002/826 . . . {more than one stent being applied sequentially}
- 2002/828 . . . {Means for connecting a plurality of stents allowing flexibility of the whole structure}
- 2/844 . . . folded prior to deployment
- 2/848 . . . having means for fixation to the vessel wall, e.g. barbs
- 2002/8483 {Barbs}
- 2002/8486 {provided on at least one of the ends}
- 2/852 . . . Two or more distinct overlapping stents
- 2/856 . . . Single tubular stent with a side portal passage
- 2/86 . . . Stents in a form characterised by the wire-like elements; Stents in the form characterised by a net-like or mesh-like structure
- 2/88 . . . the wire-like elements formed as helical or spiral coils (forming a net-like or mesh-like structure [A61F 2/90](#))
- 2/885 {comprising a coil including a plurality of spiral or helical sections with alternate directions around a central axis}
- 2/89 . . . the wire-like elements comprising two or more adjacent rings flexibly connected by separate members
- 2/90 . . . characterised by a net-like or mesh-like structure
- 2/91 made from perforated sheet material or tubes, e.g. perforated by laser cuts or etched holes
- 2/915 with bands having a meander structure, adjacent bands being connected to each other
- 2002/91508 {the meander having a difference in amplitude along the band}
- 2002/91516 {the meander having a change in frequency along the band}
- 2002/91525 {within the whole structure different bands showing different meander characteristics, e.g. frequency or amplitude}
- 2002/91533 {characterised by the phase between adjacent bands}
- 2002/91541 {Adjacent bands are arranged out of phase}
- 2002/9155 {Adjacent bands being connected to each other}
- 2002/91558 {connected peak to peak}
- 2002/91566 {connected trough to trough}
- 2002/91575 {connected peak to trough}
- 2002/91583 {by a bridge, whereby at least one of its ends is connected along the length of a strut between two consecutive apices within a band}
- 2002/91591 {Locking connectors, e.g. using male-female connections}
- 2/92 . . . Stents in the form of a rolled-up sheet expanding after insertion into the vessel {, e.g. with a spiral shape in cross-section}
- 2/93 . . . circumferentially expandable by using ratcheting locks
- 2/94 . . . Stents retaining their form, i.e. not being deformable, after placement in the predetermined place
- 2/945 hardenable, e.g. stents formed in situ
- 2/95 . . . Instruments specially adapted for placement or removal of stents or stent-grafts
- 2002/9505 . . . {having retaining means other than an outer sleeve, e.g. male-female connector between stent and instrument}
- 2002/9511 {the retaining means being filaments or wires}
- 2002/9517 . . . {handle assemblies therefor}
- 2002/9522 . . . {Means for mounting a stent onto the placement instrument}
- 2002/9528 {for retrieval of stents}
- 2002/9534 {for repositioning of stents}
- 2/954 . . . for placing stents or stent-grafts in a bifurcation
- 2/958 . . . Inflatable balloons for placing stents or stent-grafts
- 2002/9583 {Means for holding the stent on the balloon, e.g. using protrusions, adhesives or an outer sleeve}
- 2002/9586 {the means being inside the balloon}
- 2/962 . . . having an outer sleeve
- 2/966 . . . with relative longitudinal movement between outer sleeve and prosthesis, e.g. using a push rod
- 2002/9665 {with additional retaining means}
- 2/97 . . . the outer sleeve being splittable
- 3/00 Lengthening pieces for natural legs**
- 4/00 Methods or devices enabling invalids to operate an apparatus or a device not forming part of the body (operating or control means for prostheses [A61F 2/68](#); {serving devices for one-handed persons [A47G 21/08](#)})**
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- 5/00 Orthopaedic methods or devices for non-surgical treatment of bones or joints (surgical instruments or methods for treatment of bones or joints, devices specially adapted therefor [A61B 17/56](#)); Nursing devices; {Anti-rape devices} (bandages, dressings or absorbent pads [A61F 13/00](#))**
- 5/0003 . . . {Apparatus for the treatment of obesity; Anti-eating devices (surgical instruments or methods for treatment of obesity, devices specially adapted therefor [A61B 17/00](#); hollow or tubular parts of organs [A61F 2/04](#))}
- 5/0006 . . . {Diet or mouth appliances}
- 5/0009 . . . {External belts}
- 5/0013 . . . {Implantable devices or invasive measures}
- 2005/0016 {comprising measuring means}
- 2005/002 {for sensing mechanical parameters}
- 2005/0023 {for sensing chemical parameters}
- 5/0026 {Anti-eating devices using electrical stimulation}

- 5/003 . . . {inflatable}
- 5/0033 {with more than one chamber}
- 5/0036 . . . {Intra-gastric devices}
- 5/004 {remotely adjustable}
- 5/0043 {using injection ports}
- 5/0046 {with wireless means}
- 5/005 . . . {Gastric bands}
- 5/0053 {remotely adjustable}
- 5/0056 {using injection ports}
- 5/0059 {with wireless means}
- 5/0063 {wrapping the stomach}
- 5/0066 {Closing devices for gastric bands}
- 5/0069 . . . {in the wall of the stomach}
- 5/0073 . . . {in the abdominal cavity, e.g. not attached to the stomach}
- 5/0076 . . . {preventing normal digestion, e.g. Bariatric or gastric sleeves}
- 5/0079 {Pyloric or esophageal obstructions}
- 5/0083 . . . {Reducing the size of the stomach, e.g. gastropasty ([surgical interventions A61B 17/00](#))}
- 5/0086 {using clamps, folding means or the like}
- 5/0089 . . {Instruments for placement or removal}
- 5/0093 . {Rectal devices, e.g. for the treatment of haemorrhoids}
- 5/0096 . {Anti-rape devices}
- 5/01 . Orthopaedic devices, e.g. splints, casts or braces
- 5/0102 . . {specially adapted for correcting deformities of the limbs or for supporting them; Ortheses, e.g. with articulations}
- 5/0104 . . . {without articulation}
- 5/0106 {for the knees}
- 5/0109 {Sleeve-like structures}
- 5/0111 {for the feet or ankles}
- 5/0113 {Drop-foot appliances}
- 5/0116 {for connecting the feet to each other or to fixed surroundings ([A61F 5/0193 takes precedence](#))}
- 5/0118 {for the arms, hands or fingers}
- 5/012 . . . {inflatable}
- 5/0123 . . . {for the knees ([A61F 5/0106 takes precedence](#))}
- 5/0125 {the device articulating around a single pivot-point}
- 5/0127 . . . {for the feet ([A61F 5/0111 takes precedence](#))}
- 5/013 . . . {for the arms, hands or fingers ([A61F 5/0118 takes precedence](#))}
- 2005/0132 . . . {Additional features of the articulation}
- 2005/0134 {with two orthogonal pivots}
- 2005/0137 {with two parallel pivots}
- 2005/0139 {geared}
- 2005/0141 {with more than two parallel pivots}
- 2005/0144 {Multibar}
- 2005/0146 {combining rotational and sliding movements, e.g. simulating movements of a natural joint}
- 2005/0148 {Floating pivotal axis}
- 2005/0151 {combining rotational and torsional movements}
- 2005/0153 {combining rotational and stretching movements}
- 2005/0155 {with actuating means}
- 2005/0158 {with locking means}
- 2005/016 {in standing position}
- 2005/0162 {when weight is applied}
- 2005/0165 {with limits of movement}
- 2005/0167 {adjustable}
- 2005/0169 {with damping means}
- 2005/0172 {with cushions}
- 2005/0174 {laterally placed}
- 2005/0176 {supporting the patella}
- 2005/0179 {with spring means}
- 2005/0181 . . . {Protectors for articulations}
- 2005/0183 {Hip protectors, e.g. for elderly people}
- 2005/0186 {Thumb protectors}
- 2005/0188 . . . {having pressure sensors}
- 5/019 . . . {Toe correcting or spreading devices}
- 5/0193 . . . {Apparatus specially adapted for treating hip dislocation; Abduction splints}
- 5/0195 . . . {Shoe-like orthopaedic devices for protecting the feet against injuries after operations}
- 2005/0197 . . . {with spring means}
- 5/02 . . . Orthopaedic corsets ([arm-rests for use as writing aids B43L 15/00](#))
- 5/022 . . . {consisting of one or more shells}
- 5/024 . . . {having pressure pads connected in a frame for reduction or correction of the curvature of the spine}
- 5/026 . . . {Back straightening devices with shoulder braces to force back the shoulder to obtain a correct curvature of the spine ([for clavicle fractures A61F 5/05808](#); [restraining devices A61F 5/37](#))}
- 5/028 {Braces for providing support to the lower back, e.g. lumbo sacral supports}
- 5/03 . . . Corsets or bandages for abdomen, teat or breast support, with or without pads ([trusses A61F 5/24](#), [pressure-pads A61F 5/30](#)); [brassieres A41C 3/00](#))
- NOTE**
Bandages for support of breasts or abdomen are classified in group [A61F 13/14](#)
- 5/04 . . . Devices for stretching or reducing fractured limbs; Devices for distractions; Splints ([\(plaster of Paris bandages A61F 13/04](#); [with surgery A61B 17/60](#))}
- 5/042 . . . for extension or stretching
- 5/048 Traction splints
- 5/05 . . . for immobilising ([A61F 5/0102 takes precedence](#))
- 5/055 Cervical collars
- 5/058 Splints
- 5/05808 {Splints for clavicle fractures}
- 5/05816 {Inflatable splints}
- 5/05825 {Strips of substantially planar form}
- 5/05833 {Splints rigidified by vacuum evacuation}
- 5/05841 {for the limbs ([A61F 5/05816](#), [A61F 5/05833 take precedence](#))}
- 5/0585 {for the legs ([toe correcting devices A61F 5/019](#))}
- 5/05858 {for the arms ([restraining devices, e.g. slings A61F 5/37](#))}
- 5/05866 {for wrists, hands, fingers or thumbs}
- 5/05875 {for fingers}

- 5/05883 {for the neck or head ([A61F 5/05816](#), [A61F 5/05833](#) take precedence; cervical supports [A61F 5/055](#))}
- 5/05891 {for the head, e.g. jaws, nose (nose correcting [A61F 5/08](#))}
- 5/08 . . Devices for correcting deformities of the nose {; Devices for enlarging the nostril, e.g. for breathing improvement}
- 5/10 . . Devices for correcting deformities of the fingers
- 5/11 . . Devices for correcting deformities of the nails
- 5/14 . . Special medical insertions for shoes for flat-foot, club-feet, or the like (ordinary arch supports [A43B 7/14](#))
- 5/24 . . Trusses
- 5/26 . . . with belt springs
- 5/28 . . . Supports for trusses
- 5/30 . . Pressure-pads (corn-pads, corn-rings [A61F 13/06](#); {tourniquets [A61B 17/132](#))}
- 5/32 . . . Adjustable pressure pads
- 5/34 . . . Pressure pads filled with air or liquid (valves specially adapted for medical use [A61M 39/00](#); connection of valves to inflatable elastic bodies [B60C 29/00](#); {valves per se [F16K](#)})
- 5/37 . . Restraining devices for the body or for body parts {, e.g. slings}; Restraining shirts {([handcuffs E05B 75/00](#))}
- 5/3707 . . {for the head (cervical supports [A61F 5/055](#); splints [A61F 5/05883](#))}
- 5/3715 . . {for attaching the limbs to other parts of the body}
- 5/3723 . . . {for the arms}
- 5/373 {for restricting the movement of the arm at the elbow}
- 5/3738 {Slings}
- 5/3746 {Jacket-like sling}
- 5/3753 {Abduction support}
- 5/3761 . . {for attaching the limbs to other objects ([A61F 5/3769](#) takes precedence)}
- 5/3769 . . {for attaching the body to beds, wheel-chairs or the like}
- 5/3776 . . . {by means of a blanket or belts (to chairs only [A61F 5/3792](#))}
- 5/3784 {directly connected to the trunk, e.g. with jacket}
- 5/3792 . . . {to chairs, e.g. wheelchairs ([A61F 5/3784](#) takes precedence)}
- 5/40 . . Suspensory bandages
- 5/41 . . Devices for promoting penis erection (penis implants [A61F 2/26](#); massage of the genitals [A61H 19/00](#))
- 2005/411 . . {Penile supports}
- 2005/412 . . {by vacuum means}
- 2005/414 . . {by constricting means}
- 2005/415 . . {by inflatable means}
- 2005/417 . . {by vibrating means}
- 2005/418 . . {by electrical stimulation}
- 5/44 . . Devices worn by the patient for reception of urine, faeces, catamenial or other discharge; {Portable urination aids} (absorbent pads, e.g. sanitary towels, [A61F 13/15](#); drainage appliances for wounds [A61M 27/00](#); {emptying devices for urine bags [B65B 69/0016](#)}); Colostomy devices (adhesives for colostomy devices [A61L 24/00](#); materials for colostomy devices [A61L 28/00](#))
- 5/4401 . . {with absorbent pads (diapers [A61F 13/49](#))}
- 2005/4402 . . {disposable}
- 5/4404 . . {Details or parts}
- 5/4405 . . . {Valves or valve arrangements specially adapted therefor ([A61F 5/441](#) takes precedence); Fluid inlets or outlets ([A61F 5/4407](#) takes precedence)}
- 5/4407 . . . {Closure means other than valves}
- 5/4408 . . . {Means for securing receptacles or bags to the body otherwise than by adhesives, e.g. belts, straps or harnesses ([A61F 5/449](#) takes precedence)}
- 5/441 . . having {venting or} deodorant means, e.g. filters {; having antiseptic means, e.g. bacterial barriers}
- 2005/4415 . . {venting by manual operation}
- 5/442 . . having irrigation ports or means (irrigators [A61M 3/02](#))
- 5/443 . . having {adhesive seals for securing to the body, e.g. of} hydrocolloid type, e.g. gels, starches, karaya gums {([adhesives or sealing pads therefor A61L 24/00](#))}
- 5/445 . . Colostomy, {ileostomy or urethrostomy} devices ([A61F 5/441](#), [A61F 5/442](#), [A61F 5/443](#) take precedence)
- 2005/4455 . . . {Implantable}
- 5/448 . . . Means for attaching bag to seal ring
- 2005/4483 . . . {Convex pressure ring}
- 2005/4486 . . . {with operable locking ring}
- 5/449 . . . Body securing means, e.g. belts, garments
- 2005/4495 . . . {with floating-belt attaching ring}
- 5/451 . . Genital {or anal} receptacles ([A61F 5/441](#), [A61F 5/442](#), [A61F 5/443](#) take precedence {; other body securing means [A61F 5/4408](#); devices for taking faeces samples [A61B 10/0038](#); devices for taking urine samples [A61B 10/007](#))}
- 5/453 . . . for collecting urine or other discharge from male member ([A61F 6/04](#) takes precedence {; devices for taking sperm samples [A61B 10/0058](#))}
- 5/455 . . . for collecting urine or discharge from female member
- 5/4553 {placed in the vagina, e.g. for catamenial use (pessaries [A61F 6/08](#); absorbent cups [A61F 13/2045](#))}
- 5/4556 {Portable urination aids, e.g. to allow females to urinate from a standing position}
- 5/48 . . Devices for preventing wetting or pollution of the bed
- 5/485 . . {Absorbent protective pads (mattress underlays [A47C 21/06](#); bed linen [A47G 9/02](#))}
- 5/50 . . Devices for preventing finger-sucking
- 5/56 . . Devices for preventing snoring {(by influencing the respiratory system by gas treatment [A61M 16/00](#))}
- 2005/563 . . {Anti-bruxisme}
- 5/566 . . {Intra-oral devices}
- 5/58 . . Apparatus for correcting stammering or stuttering
- 6/00** **Contraceptive devices; Pessaries; Applicators therefor (chemical aspects of contraception [A61K](#))**
- 6/005 . . {Packages or dispensers for contraceptive devices}
- 6/02 . . for use by males ([A61F 6/20](#) takes precedence)
- 6/04 . . Condoms, sheaths or the like {, e.g. combined with devices protecting against contagion}

2006/041	. . . {combined with a protective garment, e.g. underpants or mask}	2007/0017	. . . {Mouth}
2006/042	. . . . {covering the mouth, e.g. oral condom}	2007/0018	. . {Trunk or parts thereof}
2006/043	. . . {with more than one barrier}	2007/0019	. . . {Breast}
2006/044	. . . {with absorbent material}	2007/002	. . . . {Heart}
2006/045	. . . {with closing devices at the open end}	2007/0021	. . . {Female breast}
2006/046	. . . . {for closing after use}	2007/0022	. . . {Abdomen}
2006/047	. . . {with holding means}	2007/0023	. . . {Waist}
2006/048	. . . {with surface protuberances}	2007/0024	. . . {Back}
2006/049	. . . {with strips to apply the condom}	2007/0025	. . . {Higher part of back}
6/06	. for use by females (A61F 6/20 takes precedence)	2007/0026	. . . {Middle part of back}
6/065	. . {Condom-like devices worn by females}	2007/0027	. . . {Lower part of back}
6/08	. . Pessaries, i.e. devices worn in the vagina to support the uterus, remedy a malposition or prevent conception {, e.g. combined with devices protecting against contagion}	2007/0028	. . . {Rectum}
6/12	. . . Inserters or removers	2007/0029	. . {Arm or parts thereof}
6/14	. . intra-uterine type	2007/003	. . . {Shoulder}
6/142	. . . {Wirelike structures, e.g. loops, rings, spirals}	2007/0031	. . . {Upper arm}
6/144	. . . . {with T-configuration}	2007/0032	. . . {Elbow}
6/146	. . . {Occluders for the cervical canal (occluding by internal devices A61B 17/12022 ; dilators A61M 29/00)}	2007/0034	. . . {Lower arm}
6/148	. . . {with sheet-like structure}	2007/0035	. . . {Wrist}
6/16	. . . inflatable	2007/0036	. . . {Hand}
6/18	. . . Inserters or removers {; Apparatus for loading an intra-uterine device into an insertion tube}	2007/0037	. . . {Finger}
6/20	. Vas deferens occluders; Fallopian occluders	2007/0038	. . . {Thumb}
6/202	. . {Means specially adapted for ligaturing, compressing or clamping of oviduct or vas deferens (of tubular organs in general A61B 17/12)}	2007/0039	. . {Leg or parts thereof}
6/204	. . . {Clamp applying devices}	2007/004	. . . {Hip}
6/206	. . {Clamps (ligaturing clamps or clips A61B 17/122)}	2007/0041	. . . {Upper leg}
6/208	. . {Implements for ligaturing}	2007/0042	. . . {Knee}
6/22	. . implantable in tubes (occluding by internal devices A61B 17/12022)}	2007/0043	. . . {Lower leg, calf}
6/225	. . . {transcervical}	2007/0044	. . . {Ankle}
6/24	. . . characterised by valve means	2007/0045	. . . {Foot}
7/00	Heating or cooling appliances for medical or therapeutic treatment of the human body (heating or cooling means in connection with bedsteads or mattresses A47C 21/00 {; massage, therapeutic baths A61H }; hyperthermia using electric or magnetic fields or ultrasound A61N ; electric heating elements H05B)	2007/0046	. . . {Toe}
2007/0001	. {Body part}	2007/0047	. . . {Sole}
2007/0002	. . {Head or parts thereof}	2007/0048	. . {Genitals}
2007/0003	. . . {Face}	2007/005	. . . {female}
2007/0004	. . . {Eyes or part of the face surrounding the eyes}	2007/0051	. . {Stumps after amputation}
2007/0005	. . . {Ears}	2007/0052	. . {for treatment of skin or hair}
2007/0006	. . . {Nose}	7/0053	. {Cabins, rooms, chairs or units for treatment with a hot or cold circulating fluid}
2007/0007	. . . {Forehead, e.g. headbands}	2007/0054	. {with a closed fluid circuit, e.g. hot water}
2007/0008	. . . {Scalp}	2007/0055	. . {of gas, e.g. hot air or steam}
2007/0009	. . . {Throat or neck}	2007/0056	. . {for cooling}
2007/001	. . . . {Throat only}	2007/0057	. . . {of gas, e.g. air or carbon dioxide}
2007/0011	. . . . {Neck only}	2007/0058	. . . {evaporating on or near the spot to be cooled}
2007/0012	. . . . . {with means for support of the head}	2007/0059	. {with an open fluid circuit}
2007/0013	. . . {Jaw}	2007/006	. . {of gas}
2007/0014	. . . {Chin}	2007/0061	. . . {Using breath}
2007/0015	. . . {Cheeks}	2007/0062	. . . {the gas being steam or water vapour}
		2007/0063	. . {for cooling}
		2007/0064	. . . {of gas}
		2007/0065	. . . . {Causing evaporation}
		2007/0067	. . . . . {of sweat}
		2007/0068	. . . {evaporating on the spot to be cooled}
		2007/0069	. . {with return means}
		7/007	. {characterised by electric heating}
		2007/0071	. . {using a resistor, e.g. near the spot to be heated}
		2007/0072	. . . {remote from the spot to be heated}
		2007/0073	. . . {thermistor}
		2007/0074	. . . . {PTC}
		2007/0075	. . {using a Peltier element, e.g. near the spot to be heated or cooled}
		2007/0076	. . . {remote from the spot to be heated or cooled}
		2007/0077	. . {Details of power supply}
		2007/0078	. . . {with a battery}

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- 2007/0079 {connectable to car battery}
- 2007/008 {with a separate, portable battery pack}
- 2007/0081 . . . {Low voltage, e.g. using transformer}
- 2007/0082 {D.C. ([A61F 2007/0078](#) takes precedence)}
- 2007/0084 . . . {using a solar cell}
- 7/0085 . {Devices for generating hot or cold treatment fluids}
- 2007/0086 . {with a thermostat}
- 2007/0087 . {Hand-held applicators}
- 2007/0088 . {Radiating heat}
- 2007/0089 . {Chemotherapy developing heat}
- 2007/009 . {with a varying magnetic field acting upon the human body, e.g. an implant therein}
- 2007/0091 . {inflatable}
- 2007/0092 . . {with, or also with, a substance other than air}
- 2007/0093 . {programmed}
- 2007/0094 . {using a remote control}
- 2007/0095 . {with a temperature indicator}
- 2007/0096 . . {with a thermometer}
- 7/0097 . {Blankets with active heating or cooling sources ([warming mats A61F 7/08](#))}
- 2007/0098 . {ways of manufacturing heating or cooling devices for therapy}
- 7/02 . Compresses or poultices for effecting heating or cooling
- 2007/0201 . . {shaped as a doll}
- 2007/0203 . . {Cataplasms, poultices or compresses, characterised by their contents; Bags therefor}
- 2007/0204 . . . {containing clay, mud, fango, sand, kaolin clay, volcanic or other inorganic granular solids}
- 2007/0206 . . . {containing organic solids or fibres}
- 2007/0207 {Plants, dried plants, seeds or fruits}
- 2007/0209 {Synthetics, e.g. plastics}
- 2007/0211 {Granulars}
- 2007/0212 {Foams}
- 2007/0214 {Polymers, e.g. water absorbing}
- 2007/0215 . . . {containing liquids other than water}
- 2007/0217 {Oils}
- 2007/0219 {Gels}
- 2007/022 . . . {Bags therefor}
- 2007/0222 {made of synthetics, e.g. plastics}
- 2007/0223 {made of textiles}
- 2007/0225 . . {connected to the body or a part thereof}
- 2007/0226 . . . {adhesive, self-sticking}
- 2007/0228 . . . {with belt or strap, e.g. with buckle}
- 2007/023 {with pockets for receiving packs or pouches}
- 2007/0231 . . . {hook and loop-type fastener}
- 2007/0233 . . . {connected to or incorporated in clothing or garments ([A61F 2007/023](#) takes precedence)}
- 2007/0234 {for the upper part of the trunk, e.g. bodice}
- 2007/0236 {for the lower part of the trunk, e.g. panty}
- 2007/0238 {in a pocket ([A61F 2007/023](#) takes precedence)}
- 2007/0239 . . . {using vacuum}
- 7/0241 . . {Apparatus for the preparation of hot packs, hot compresses, cooling pads, e.g. heaters or refrigerators}
- 2007/0242 . . {heated by microwaves}
- 2007/0244 . . {with layers}
- 2007/0246 . . . {with a layer having high heat transfer capability}
- 2007/0247 {Using a substance with high conductivity}
- 2007/0249 . . . {with a layer having low heat transfer capability}
- 2007/025 {retaining air or other gas}
- 2007/0252 {in closed compartments}
- 2007/0253 {using a substance with low conductivity ([A61F 2007/025](#) takes precedence)}
- 2007/0255 {with a reflective layer}
- 2007/0257 . . . {with a fluid impermeable layer}
- 2007/0258 . . . {with a fluid permeable layer}
- 2007/026 . . . {with a fluid absorbing layer}
- 2007/0261 . . . {medicated}
- 2007/0263 . . . {made of a substance with therapeutic action, e.g. copper or silver}
- 2007/0265 . . . {antiallergic}
- 2007/0266 . . {without external heat source, i.e. using one's own body heat ([A61F 2007/0061](#) takes precedence)}
- 2007/0268 . . {having a plurality of compartments being filled with a heat carrier ([heat packs stored in pockets A61F 2007/023](#), [A61F 2007/0238](#))}
- 2007/0269 . . . {with separable compartments, e.g. reconnectable}
- 2007/0271 {Permanently separable compartments, e.g. with rupturable portions}
- 2007/0273 {with openings in the walls between the compartments serving as passageways for the filler ([flowing in circuits A61F 2007/0054](#), [A61F 2007/0059](#))}
- 2007/0274 {the walls being reduced to spot connections, e.g. spot welds}
- 2007/0276 . . . {with separate compartments connectable by rupturing a wall or membrane}
- 2007/0277 . . {Other details of hot water bottles, heat packs or cold packs}
- 2007/0279 . . . {Removable covers or sleeves ([pockets connected to the body or parts thereof A61F 2007/023](#), [A61F 2007/0238](#))}
- 2007/028 . . . {Devices for wringing}
- 2007/0282 . . {for particular medical treatments or effects}
- 2007/0284 . . . {Treatment of stings or bites}
- 2007/0285 . . . {Local anaesthetic effect}
- 2007/0287 . . . {Preventing negative effects of chemotherapy}
- 2007/0288 . . . {during operations}
- 2007/029 . . . {Fat cell removal or destruction by non-ablative heat treatment}
- 2007/0292 . . {using latent heat produced or absorbed during phase change of materials, e.g. of super-cooled solutions}
- 2007/0293 . . . {Triggers, activators or catalysts therefor}
- 2007/0295 . . {for heating or cooling or use at more than one temperature}
- 2007/0296 . . . {Intervals of heating alternated with intervals of cooling}
- 2007/0298 . . . {with a section for heating and a section for cooling}
- 7/03 . . thermophore, i.e. self-heating, {e.g. using a chemical reaction}
- 7/032 . . . {using oxygen from the air, e.g. pocket-stoves}
- 7/034 {Flameless}
- 2007/036 {Fuels}
- 2007/038 {Carbon or charcoal, e.g. active}
- 7/08 . . Warming pads, pans or mats ([A61F 7/02](#) takes precedence); Hot-water bottles

- 2007/083 . . {with an outlets tube, e.g. for enema or irrigation}
- 7/086 . . {Closures; Filling openings}
- 7/10 . . Cooling bags, e.g. ice-bags
- 2007/101 . . {for cooling organs in the body before or during surgery}
- 7/103 . . {refillable}
- 2007/105 . . . {Closures specially adapted for icebags or packs}
- 7/106 . . {self-cooling, e.g. using a chemical reaction}
- 2007/108 . . {Cold packs, i.e. devices to be cooled or frozen in refrigerator or freezing compartment}
- 7/12 . . Devices for heating or cooling internal body cavities
- 7/123 . . {using a flexible balloon containing the thermal element}
- 2007/126 . . {for invasive application, e.g. for introducing into blood vessels}
- Treatment or protection of the eyes or ears; Substitution by other senses**
- 9/00 Methods or devices for treatment of the eyes; Devices for putting-in contact lenses; Devices to correct squinting; Apparatus to guide the blind; Protective devices for the eyes, carried on the body or in the hand (caps with means for protecting the eyes [A42B 1/06](#); visors for helmets [A42B 3/22](#); retractors [A61B 17/02](#); manipulators specially adapted for use in surgery [A61B 34/70](#); appliances to aid invalids to move about [A61H 3/00](#); exercisers for the eyes [A61H 5/00](#); eye baths [A61H 35/02](#); sunglasses or goggles having the same features as spectacles [G02C](#))**
- 9/0008 . . {Introducing ophthalmic products into the ocular cavity or retaining products therein (putting in contact lenses [A61F 9/0061](#); introducing or retaining media in cavities of the body in general [A61M 31/00](#))}
- 9/0017 . . {implantable in, or in contact with, the eye, e.g. ocular inserts}
- 9/0026 . . {Ophthalmic product dispenser attachments to facilitate positioning near the eye}
- 2009/0035 . . {Devices for immobilising a patient's head with respect to the instrument}
- 2009/0043 . . {by supporting the instrument on the patient's head, e.g. head bands}
- 2009/0052 . . . {the instrument being supported on the patient's eye}
- 9/0061 . . {Devices for putting-in contact lenses}
- 9/007 . . Methods or devices for eye surgery
- 9/00709 . . {Instruments for removing foreign bodies (for removal of intra-ocular material [A61F 9/00736](#))}
- 9/00718 . . {Restoration of lid function}
- 9/00727 . . {Apparatus for retinal reattachment}
- 9/00736 . . {Instruments for removal of intra-ocular material or intra-ocular injection, e.g. cataract instruments ([A61F 9/008](#) takes precedence)}
- 9/00745 . . . {using mechanical vibrations, e.g. ultrasonic}
- 9/00754 . . . {for cutting or perforating the anterior lens capsule, e.g. capsulotomes}
- 9/00763 . . . {with rotating or reciprocating cutting elements, e.g. concentric cutting needles (atherectomy cutting instruments [A61B 17/3207](#); endoscopic cutting instruments [A61B 17/320016](#))}
- 9/00772 . . {Apparatus for restoration of tear ducts}
- 9/00781 . . {Apparatus for modifying intraocular pressure, e.g. for glaucoma treatment ([drainage implants in general \[A61M 27/002\]\(#\)](#))}
- 9/0079 . . {using non-laser electromagnetic radiation, e.g. non-coherent light or microwaves}
- 9/008 . . using laser
- 9/00802 . . . {for photoablation}
- 9/00804 {Refractive treatments}
- 9/00806 {Correction of higher orders}
- 9/00808 {Inducing higher orders, e.g. for correction of presbyopia}
- 9/0081 {Transplantation}
- 9/00812 {Inlays; Onlays; Intraocular lenses [IOL]}
- 9/00814 {Laser features or special beam parameters therefor}
- 9/00817 {Beam shaping with masks}
- 9/00819 {with photoablatable masks}
- 9/00821 {for coagulation}
- 9/00823 {Laser features or special beam parameters therefor}
- 9/00825 {for photodisruption}
- 9/00827 {Refractive correction, e.g. lenticle}
- 9/00829 {Correction of higher orders}
- 9/00831 {Transplantation}
- 9/00834 {Inlays; Onlays; Intraocular lenses [IOL]}
- 9/00836 {Flap cutting}
- 9/00838 {Correction of presbyopia}
- 9/0084 {Laser features or special beam parameters therefor}
- 2009/00842 {Permanent Structural Change [PSC] in index of refraction; Limit between ablation and plasma ignition}
- 2009/00844 {Feedback systems}
- 2009/00846 {Eyetracking}
- 2009/00848 {based on wavefront}
- 2009/00851 {Optical coherence topography [OCT]}
- 2009/00853 {Laser thermal keratoplasty or radial keratotomy}
- 2009/00855 {Calibration of the laser system}
- 2009/00857 {considering biodynamics}
- 2009/00859 {considering nomograms}
- 2009/00861 {adapted for treatment at a particular location}
- 2009/00863 {Retina}
- 2009/00865 {Sclera}
- 2009/00868 {Ciliary muscles or trabecular meshwork}
- 2009/0087 {Lens}
- 2009/00872 {Cornea}
- 2009/00874 {Vitreous}
- 2009/00876 {Iris}
- 2009/00878 {Planning}
- 2009/0088 {based on wavefront}
- 2009/00882 {based on topography}
- 2009/00885 {for treating a particular disease}
- 2009/00887 {Cataract}
- 2009/00889 {Capsulotomy}
- 2009/00891 {Glaucoma}
- 2009/00893 {Keratoconus}
- 2009/00895 {Presbyopia}
- 2009/00897 {Scanning mechanisms or algorithms}

- 9/009 . . . Auxiliary devices making contact with the eyeball and coupling in laser light, {e.g. goniolenses (apparatus for eye examination [A61B 3/0008](#))}
- 9/013 . . {Instruments} for compensation of ocular refraction ([A61F 9/008](#) takes precedence) {; Instruments for use in cornea removal, for reshaping or performing incisions in the cornea}
- 9/0133 . . . {Knives or scalpels specially adapted therefor}
- 9/0136 . . . {Mechanical markers}
- 9/02 . Goggles {(breathing masks [A62B 18/00](#); swimming goggles [A63B 33/002](#); diving masks [B63C 11/12](#))}
- 2009/021 . . {Goggles with prescription spectacle lenses}
- 9/022 . . {Use of special optical filters, e.g. multiple layers, filters for protection against laser light or light from nuclear explosions, screens with different filter properties on different parts of the screen; Rotating slit-discs (optical filters *per se* [G02B 5/20](#))}
- 9/023 . . . {with variable transmission, e.g. photochromic (for welding [A61F 9/067](#))}
- 9/024 . . . {Rotating discs with slits, e.g. stroboscopes}
- 9/025 . . {Special attachment of screens, e.g. hinged, removable; Roll-up protective layers}
- 9/026 . . {Paddings; Cushions; Fittings to the face}
- 9/027 . . {Straps; Buckles; Attachment of headbands}
- 9/028 . . {Ventilation means}
- 9/029 . . {Additional functions or features, e.g. protection for other parts of the face such as ears, nose or mouth; Screen wipers or cleaning devices}
- 9/04 . Eye-masks {; Devices to be worn on the face, not intended for looking through; Eye-pads for sunbathing (eye-bandages [A61F 13/12](#); protective face-masks [A41D 13/11](#); protectors for shampooing [A45D](#))}
- 9/045 . . {Eye-shades or visors; Shields beside, between or below the eyes (caps with means for protecting the eyes [A42B 1/06](#))}
- 9/06 . . Masks, shields or hoods for welders (safety devices for welding in general [F16P 1/00](#))
- 9/061 . . . {with movable shutters, e.g. filter discs; Actuating means therefor}
- 9/062 {with movable polarising filter discs}
- 9/064 . . . {with two windows, one for viewing and one for use during the welding process}
- 9/065 . . . {use of particular optical filters ([A61F 9/022](#), [A61F 9/062](#) take precedence)}
- 9/067 {with variable transmission}
- 9/068 . . . {with supply or suction of gas, air or smoke inside or outside the welding hood}
- 9/08 . Devices or methods enabling eye-patients to replace direct visual perception by another kind of perception
- 11/00 Methods or devices for treatment of the ears, e.g. surgical; Protective devices for the ears, carried on the body or in the hand; {Non-electric hearing aids}**
- 11/002 . {Surgical middle ear ventilation or drainage, e.g. permanent; Implants therefor (drainage implants in general [A61M 27/002](#))}
- 11/004 . {Ear surgery ([A61F 11/002](#) takes precedence)}
- 11/006 . {Ear cleaners, e.g. cures (cotton tips [A61F 13/38](#); cleaning by suction [A61M 1/0023](#), by irrigation [A61M 3/02](#))}
- 11/008 . {Non-electric hearing aids, e.g. ear trumpets, sound amplifiers, ear-shells (non-electric sound-amplifying devices in general [G10K 11/08](#); sound-focusing or directing using reflection in general [G10K 11/28](#))}
- 11/04 . Devices or methods enabling ear patients to replace direct auditory perception by another kind of perception {(electronic stimulation of auditory nerves [A61N 1/36036](#))}
- 11/045 . . {using mechanical stimulation of nerves (acting directly on the ear [H04R 25/00](#))}
- 11/06 . Protective devices for the ears
- 11/08 . . internal, e.g. earplugs
- 2011/085 . . . {including an inner channel}
- 11/10 . . . inflatable or expandable
- 11/12 . . . External mounting means
- 11/14 . . external, e.g. earcaps or earmuffs (headwear, e.g. caps or helmets, with means for protecting the ears [A42B 1/06](#), [A42B 3/16](#), {for hairdresser's rooms [A45D 44/12](#); for sports [A63B 71/10](#); headphones [H04R 1/10](#))}
- NOTE**
{Group [A61F 11/14](#) contains only acoustic protection (other external protectors, see [A61F 11/06](#))}
- 2011/145 . . . {electric, e.g. for active noise reduction}
- Bandages, dressings or absorbent pads; First-aid kits**
- 13/00 Bandages or dressings (suspensory bandages [A61F 5/40](#); {contact-avoiding wound protectors [A61F 15/008](#); bandages or dressings with incorporated medicaments [A61L 15/44](#), [A61M 35/006](#); radioactive dressings [A61N 5/1029](#)); Absorbent pads (chemical aspects of, or use of materials for, bandages, dressings or absorbent pads [A61L 15/00](#); {absorbent pads for tracheostomy [A61M 16/047](#))}**
- 13/00004 . {Non-adhesive dressings}
- 13/00008 . . {characterized by the material}
- 13/00012 . . . {being made of natural material, e.g. cellulose-, protein-, collagen-based}
- 13/00017 . . . {synthetic, e.g. polymer based}
- 13/00021 . . {characterized by the structure of the dressing}
- 13/00025 . . . {made of a single layer}
- 13/00029 . . . {made of multiple layers}
- 13/00034 . . {characterized by a property}
- 13/00038 . . . {Flexibility, stretchability or elasticity}
- 13/00042 . . . {Absorbency}
- 13/00046 . . . {Air-vapor permeability}
- 13/00051 . {Accessories for dressings}
- 13/00055 . . {Saturation indicators}
- 13/00059 . . {provided with visual effects, e.g. printed or colored}
- 13/00063 . . {comprising medicaments or additives, e.g. odor control, PH control, debriding, antimicrobial (drug delivery dressings [A61K 9/70](#); chemical aspect of the additives [A61L 15/00](#))}
- 13/00068 . . {specially adapted for application or removal of fluid, e.g. irrigation or drainage of wounds, under-pressure wound-therapy ([A61F 13/0216](#) takes precedence; drainage appliances for wounds in general [A61M 27/00](#))}

- 13/00072 . . . {Packaging of dressings}
- 13/00076 . . . {Packaging of adhesive dressings}
- 13/0008 {having means for facilitating the removal of the packaging and release liner}
- 13/00085 . . . {having means for facilitating the application on the skin, e.g. single hand handling facilities ([A61F 13/0259](#) takes precedence; bandage applicators separate from the bandage or the packaging [A61F 15/005](#))}
- 2013/00089 . . . {Wound bandages ([A61F 2013/00361](#) takes precedence;)}
- 2013/00093 . . . {tubular}
- 2013/00097 . . . {net structure}
- 2013/00102 . . . {oblong}
- 2013/00106 . . . {emergency bandages, e.g. for first aid}
- 2013/0011 {spray}
- 2013/00114 {with check valve, e.g. for traumatic pneumothorax}
- 2013/00119 . . . {elastic}
- 2013/00123 {with elastic indicator}
- 2013/00127 {fixation means}
- 2013/00131 {elasticity distribution}
- 2013/00136 {anisotropy}
- 2013/0014 {non-linearity}
- 2013/00144 {transversal distribution}
- 2013/00148 {longitudinal distribution}
- 2013/00153 . . . {coloured or with decoration pattern or printing}
- 2013/00157 . . . {for burns or skin transplants ([A61F 2013/00187](#) takes precedence; not adhering to the wound [A61F 2013/00217](#))}
- 2013/00161 {with wax, e.g. petroleum or bees- (-; treated with lubricants [A61F 2013/00331](#))}
- 2013/00165 . . . {not touching the wound}
- 2013/0017 . . . {possibility of applying fluid}
- 2013/00174 {possibility of applying pressure}
- 2013/00178 {hand-held CO₂ cylinder, e.g. sparklet}
- 2013/00182 . . . {with transparent part}
- 2013/00187 . . . {insulating; warmth or cold applying}
- 2013/00191 {cooled by evaporation}
- 2013/00195 {electric warmer}
- 2013/002 {with temperature control}
- 2013/00204 {insulating}
- 2013/00208 {by a high viscosity, low conductivity liquid}
- 2013/00212 {infra-red absorbing or reflecting}
- 2013/00217 . . . {not adhering to the wound (with wax [A61F 2013/00161](#))}
- 2013/00221 {biodegradable, non-irritating}
- 2013/00225 {with non-degradable reinforcing layer, net or mesh (absorbent core with a reinforcing structure, e.g. net [A61F 2013/53463](#))}
- 2013/00229 {with alginate (absorbent structures with superabsorbent materials, e.g. SAM **K61F13/15D7**)}
- 2013/00234 {metallic layer (metallic underlayers **K61F13/15E2**)}
- 2013/00238 . . . {characterised by way of knitting or weaving}
- 2013/00242 {to avoiding fraying or pilling (lint-free, i.e. non-linting or frying [A61F 2013/00348](#))}
- 2013/00246 {in a special way pervious to air or vapours (air permeability of absorbent structures **K61F13/15D10T**; underlayers impervious to fluids but not for air or vapours **K61F13/15E1A**; fibrous underlayers impervious to fluids end open for air **K61F13/15E3A**)}
- 2013/00251 {with macroscopic openings}
- 2013/00255 {with pores}
- 2013/00259 {thin film}
- 2013/00263 {vapour permeability >500 g/m²/24h}
- 2013/00268 {impervious, i.e. occlusive bandage}
- 2013/00272 {protection of the body or articulation (safety barrier for protection of the operator [A61F 2013/00297](#); protecting the body against ulcers [A61F 2013/15024](#); protection in contaminated, e.g. NBC or industrial toxic ambience [A61F 2013/15065](#))}
- 2013/00276 {for itching skin}
- 2013/0028 {applying of mechanical pressure; passive massage}
- 2013/00285 {medication confinement}
- 2013/00289 {easy removing of the protection sheet}
- 2013/00293 {anallergic or hypoallergic material}
- 2013/00297 {safety barrier for protection of the operator (protection of the body or articulation [A61F 2013/00272](#); protecting the body against ulcers [A61F 2013/15024](#); protection in contaminated, e.g. NBC or industrial toxic ambience [A61F 2013/15065](#); prophylaxis [A61F 2013/15081](#))}
- 2013/00302 {devices for handling dressings}
- 2013/00306 {dressing for protection of the operator during surgical procedure}
- 2013/0031 {for handling common life objects, e.g. telephone (prophylaxis [A61F 2013/15081](#))}
- 2013/00314 {with surface treatments}
- 2013/00319 {to make surface hydrophobic}
- 2013/00323 {to make surface hydrophilic}
- 2013/00327 {to create projections or depressions in surface}
- 2013/00331 {lubricants (with wax, e.g. petroleum or bees- [A61F 2013/00161](#); not adhering to the wound [A61F 2013/00217](#); lubricant top layers [A61F 2013/51073](#))}
- 2013/00336 {polymeric resins}
- 2013/0034 {with triboelectric materials}
- 2013/00344 {for increasing oxygen partial pressure}
- 2013/00348 {lint-free, i.e. non-linting or frying ([A61F 2013/00242](#) takes precedence)}
- 2013/00353 {for red nails, in-grown nails or felons (inflamed digits)}
- 2013/00357 {implanted wound fillings or covers (membranes for covering bone defects [A61F 2/2846](#))}
- 2013/00361 {Plasters}
- 2013/00365 {use}
- 2013/0037 {for cosmesis}
- 2013/00374 {against wrinkles, e.g. face lift}
- 2013/00378 {coloured as the skin (coloured black or yellow, or with pattern or printing [A61F 2013/00153](#))}
- 2013/00382 {reconstructing the body shape (prosthetic device [A61F 2013/00574](#))}

- 2013/00387 . . . {skin protection (protection of the body or articulation [A61F 2013/00272](#); safety barrier for protection of the operator [A61F 2013/00297](#); for protection of suture stitches [A61F 2013/00455](#); protection of wound surround [A61F 2013/00825](#))}
- 2013/00391 {from irradiation, e.g. sun}
- 2013/00395 {from skin abrasion}
- 2013/004 {from liquid water}
- 2013/00404 {against blisters or bed sores}
- 2013/00408 {shield for protection against hypodermic needles}
- 2013/00412 . . . {for use with needles, tubes or catheters}
- 2013/00417 {pierced by needle}
- 2013/00421 {with double adhesive layer (with cyano-acrylic adhesive [A61F 2013/00459](#); with adhesive connecting means [A61F 2013/00561](#); adhesives for plasters [A61F 2013/00655](#); with absorbent adhesives [A61F 2013/00757](#); with permeable adhesive layers [A61F 2013/00761](#); different adhesion of different adhesive layers [A61F 2013/00804](#); changing the adhesion force with strain value [A61F 2013/00838](#))}
- 2013/00425 . . . {for removing of external skin layer, e.g. prepping}
- 2013/00429 . . . {for conducting tests}
- 2013/00434 {Epicutaneous test}
- 2013/00438 {blood tests}
- 2013/00442 {using electrodes}
- 2013/00446 . . . {for oriental medicine}
- 2013/00451 . . . {for surgical sutures, e.g. butterfly type}
- 2013/00455 {for protection of suture stitches (protection of the body or articulation [A61F 2013/00272](#); safety barrier for protection of the operator [A61F 2013/00297](#); skin protection [A61F 2013/00387](#); protection of wound surround [A61F 2013/00825](#))}
- 2013/00459 {with cyano-acrylic adhesive (adhesives for mucosae [A61F 2013/00714](#) or for use on wounds [A61F 2013/00719](#))}
- 2013/00463 . . . {haemostatic}
- 2013/00468 {applying local pressure}
- 2013/00472 {with chemical means}
- 2013/00476 . . . {for nose}
- 2013/0048 . . . {for toes (for red nails, in-grown nails or felons [A61F 2013/00353](#))}
- 2013/00485 {treating of athlete's foot}
- 2013/00489 . . . {for bracing or strapping}
- 2013/00493 {torso}
- 2013/00497 . . . {eye patch}
- 2013/00502 {for eyelids}
- 2013/00506 . . . {for treating warts}
- 2013/0051 . . . {for treating insect bite}
- 2013/00514 {ticks}
- 2013/00519 . . . {for treating burn (bandages for burns or skin transplants [A61F 2013/00157](#))}
- 2013/00523 {with hydrogel (wound bandages with alginate [A61F 2013/00229](#); adhesive for plasters; with hydrogel [A61F 2013/00676](#); water-based [A61F 2013/00689](#); for use on mucosae [A61F 2013/00714](#); for use on wounds [A61F 2013/00719](#); wound humidity control with hydrocolloids or superabsorbers [A61F 2013/00748](#); with absorbent adhesives [A61F 2013/00757](#); with fumed silica [A61F 2013/00787](#); with viscoelastic oil-elastomer gel [A61F 2013/00893](#))}
- 2013/00527 {artificial skin}
- 2013/00531 . . . {for exfoliation (enzymes therefor [A61F 2013/00927](#))}
- 2013/00536 . . . {for draining or irrigating wounds}
- 2013/0054 . . . {for deep wounds}
- 2013/00544 . . . {form or structure}
- 2013/00548 . . . {net (wound bandages with net structure [A61F 2013/00097](#))}
- 2013/00553 . . . {with detachable parts}
- 2013/00557 {detachable absorbent pad}
- 2013/00561 {with adhesive connecting means (plasters with a double adhesive layer [A61F 2013/00421](#); with cyano-acrylic adhesive [A61F 2013/00459](#); adhesives for plasters [A61F 2013/00655](#); with absorbent adhesives [A61F 2013/00757](#); with permeable adhesive layers [A61F 2013/00761](#); different adhesion of different adhesive layers [A61F 2013/00804](#); changing the adhesion force with strain value [A61F 2013/00838](#))}
- 2013/00565 {with hook and loop-type fastener connecting means}
- 2013/0057 . . . {with openable cover}
- 2013/00574 . . . {shaped as a body part ([A61F 2013/00187](#) take precedence; use of plasters [A61F 2013/00365](#); containing means for different purposes [A61F 2013/00902](#))}
- 2013/00578 {conformable; soft or flexible, e.g. elastomeric}
- 2013/00582 . . . {Properties of backing}
- 2013/00587 {Thickness}
- 2013/00591 {breaking stress or force}
- 2013/00595 {breaking strain or extension}
- 2013/006 {Elastic modulus}
- 2013/00604 . . . {Multilayer}
- 2013/00608 {with reinforcing layers}
- 2013/00612 {with different thickness}
- 2013/00617 {with different hardness}
- 2013/00621 . . . {cast}
- 2013/00625 {in situ}
- 2013/00629 {on a model}
- 2013/00634 {foam}
- 2013/00638 {Gel}
- 2013/00642 . . . {soluble, e.g. in water}
- 2013/00646 . . . {Medication patches, e.g. transcutaneous}
- 2013/00651 {tapered, bevelled or chamfered}

- 2013/00655 . . . {adhesive (wound bandages with alginate [A61F 2013/00229](#); plasters with a double adhesive layer [A61F 2013/00421](#); with cyano-acrylic adhesive [A61F 2013/00459](#); plasters for treating burn with hydrogel [A61F 2013/00523](#); with adhesive connecting means [A61F 2013/00561](#); adhesive for plasters, with hydrogel [A61F 2013/00676](#); for use on mucosae [A61F 2013/00714](#); for use on wounds [A61F 2013/00719](#); wound humidity control with hydrocolloids or superabsorbers [A61F 2013/00748](#); with absorbent adhesives [A61F 2013/00757](#); with fumed silica [A61F 2013/00787](#); with viscoelastic oil-elastomer gel [A61F 2013/00893](#); with permeable adhesive layers [A61F 2013/00761](#); different adhesion of different adhesive layers [A61F 2013/00804](#); changing the adhesion force with strain value [A61F 2013/00838](#))}
- 2013/00659 . . . {polymeric base}
- 2013/00663 {acrylic}
- 2013/00668 {Ether}
- 2013/00672 {cyano-acrylic}
- 2013/00676 . . . {hydrogel}
- 2013/0068 {cross-linked by radiations, e.g. electron beam}
- 2013/00685 . . . {soluble in liquid, e.g. of particular pH}
- 2013/00689 . . . {water-based}
- 2013/00693 . . . {oil-based}
- 2013/00697 . . . {elastomer-, e.g. rubber- based}
- 2013/00702 {silicon-based}
- 2013/00706 . . . {basis weight}
- 2013/0071 . . . {containing active agent}
- 2013/00714 . . . {adhesives for mucosae}
- 2013/00719 . . . {adhesives for use on wounds}
- 2013/00723 . . . {non-adhesive skin fixation}
- 2013/00727 . . {means for wound humidity control}
- 2013/00731 . . . {with absorbing pads}
- 2013/00736 {containing zeolites}
- 2013/0074 {containing foams}
- 2013/00744 {containing non-woven}
- 2013/00748 . . . {with hydrocolloids or superabsorbers (wound bandages with alginate [A61F 2013/00229](#); plasters with cyano-acrylic adhesive [A61F 2013/00459](#); plasters for treating burn with hydrogel [A61F 2013/00523](#); adhesive for plasters, with hydrogel [A61F 2013/00676](#); water-based [A61F 2013/00689](#); for use on mucosae [A61F 2013/00714](#); for use on wounds [A61F 2013/00719](#); with absorbent adhesives [A61F 2013/00757](#); with fumed silica [A61F 2013/00787](#); with viscoelastic oil-elastomer gel [A61F 2013/00893](#))}
- 2013/00753 {superabsorbent fabric of cloth}
- 2013/00757 . . . {with absorbent adhesives}
- 2013/00761 . . . {with permeable adhesive layers}
- 2013/00765 {continuous layer}
- 2013/0077 {arranged in lines}
- 2013/00774 {arranged in discrete dots}
- 2013/00778 {porous layers}
- 2013/00782 {with macroscopic openings}
- 2013/00787 . . . {fumed silica}
- 2013/00791 . . . {device for evaporation of essudates}
- 2013/00795 . . {special helping devices}
- 2013/008 {easy removing of the protection sheet}
- 2013/00804 {different adhesion of different adhesive layers (plasters with a double adhesive layer [A61F 2013/00421](#); with cyano-acrylic adhesive [A61F 2013/00459](#); with adhesive connecting means [A61F 2013/00561](#); adhesives for plasters [A61F 2013/00655](#); with absorbent adhesives [A61F 2013/00757](#); with permeable adhesive layers [A61F 2013/00761](#); changing the adhesion force with strain value [A61F 2013/00838](#))}
- 2013/00808 {force step in removing the protection layer}
- 2013/00812 {perforate or breakable zones}
- 2013/00817 . . . {handles or handling tabs}
- 2013/00821 {with hinge means}
- 2013/00825 . . . {protection of wound surround (protecting the body against ulcers [A61F 2013/15024](#); protection in contaminated, e.g. NBC or industrial toxic ambience [A61F 2013/15065](#); prophylaxis [A61F 2013/15081](#); protection of the body or articulation [A61F 2013/00272](#); safety barrier for protection of the operator [A61F 2013/00297](#); skin protection [A61F 2013/00387](#); for protection of suture stitches [A61F 2013/00455](#))}
- 2013/00829 . . . {rigid or semi-rigid backing}
- 2013/00834 {as a frame}
- 2013/00838 . . . {changing the adhesion force with strain value (plasters with a double adhesive layer [A61F 2013/00421](#); with cyano-acrylic adhesive [A61F 2013/00459](#); with adhesive connecting means [A61F 2013/00561](#); adhesives for plasters [A61F 2013/00655](#); with absorbent adhesives [A61F 2013/00757](#); with permeable adhesive layers [A61F 2013/00761](#); different adhesion of different adhesive layers [A61F 2013/00804](#))}
- 2013/00842 . . . {for tearing off dressing of desired size}
- 2013/00846 . . {with transparent or translucent part}
- 2013/00851 . . . {with grid or reference marks}
- 2013/00855 . . {pervious to air or vapours (wound bandages in a special way pervious to air or vapour [A61F 2013/00246](#))}
- 2013/00859 . . . {with macroscopic openings}
- 2013/00863 . . . {with pores}
- 2013/00868 . . . {thin film}
- 2013/00872 . . . {with controlled oxygen permeability}
- 2013/00876 . . . {vapour permeability >500 g/mg/24h}
- 2013/0088 {adjustable to a predetermined value}
- 2013/00885 . . . {impervious, i.e. occlusive bandage}
- 2013/00889 {waterproof}
- 2013/00893 {viscoelastic oil-elastomer gel (adhesives based on oil [A61F 2013/00693](#); on rubber [A61F 2013/00697](#); hydrogel-based adhesives for plasters [A61F 2013/00676](#))}
- 2013/00897 . . {package for individual plaster}
- 2013/00902 . . {containing means}
- 2013/00906 . . . {for transcutaneous or transdermal drugs application}
- 2013/0091 . . . {with disinfecting or anaesthetics means, e.g. anti-microbial}
- 2013/00914 . . . {with deodorising or perfuming means}
- 2013/00919 . . . {for physical therapy, e.g. cold or magnetic}

- 2013/00923 {triboelectricity (wound bandages with triboelectric materials [A61F 2013/0034](#))}
- 2013/00927 . . . {with biological activity, e.g. enzymes for debriding wounds or others, collagen or growth factors}
- 2013/00931 {chitin}
- 2013/00936 . . . {metal (wound bandages with a metallic layer [A61F 2013/00234](#))}
- 2013/0094 . . . {for sensing physical parameters (plasters for conducting test [A61F 2013/00429](#))}
- 2013/00944 {humidity; moisture}
- 2013/00948 {Ph, e.g. acid}
- 2013/00953 {temperature}
- 2013/00957 {pressure}
- 2013/00961 {electrical conductivity}
- 2013/00965 {microbiological activity}
- 2013/0097 {oxygen content}
- 2013/00974 . . . {for writing or drawing, e.g. labels}
- 2013/00978 . . {attachments assembly for prosthesis; pouch, e.g. ostomy}
- 2013/00982 . . {anallergic or hypoallergic material}
- 13/00987 . {Apparatus or processes for manufacturing non-adhesive dressings or bandages}
- 13/00991 . . {for treating webs, e.g. for moisturising, coating, impregnating or applying powder}
- 13/00995 . . . {for mechanical treatments}
- 13/02 . Adhesive plasters or dressings ([A61F 13/06](#) - [A61F 13/15](#) take precedence; {for diagnosis, e.g. allergy test patches, [A61B 10/0035](#)}; surgical adhesives or cements [A61L 24/00](#); {for transdermal drug administration [A61M 35/00](#)})
- 13/0203 . . {having a fluid handling member}
- 13/0206 . . . {the fluid handling member being absorbent fibrous layer, e.g. woven or nonwoven absorbent pad, island dressings}
- 13/0209 {comprising superabsorbent material}
- 13/0213 . . . {the fluid handling member being a layer of hydrocolloid, gel forming material}
- 13/0216 . . . {the fluid handling member being non absorbent, e.g. for use with sub- or over-pressure therapy, wound drainage or wound irrigation systems}
- 13/022 . . . {having more than one layer with different fluid handling characteristics}
- 13/0223 . . . {characterized by parametric properties of the fluid handling layer, e.g. absorbency, wicking capacity, liquid distribution}
- 13/0226 . . . {characterised by the support layer}
- 13/023 . . {wound covering film layers without a fluid handling layer}
- 13/0233 . . . {characterised by the occlusive layer skin contacting layer}
- 13/0236 . . . {characterised by the application/handling support layer}
- 13/024 {the application or handling support layer being removable}
- 13/0243 . . . {characterised by the properties of the skin contacting layer, e.g. air-vapor permeability}
- 13/0246 . . {characterised by the skin adhering layer}
- 13/025 . . . {having a special distribution arrangement of the adhesive}
- 13/0253 . . . {characterized by the adhesive material}
- 13/0256 . . . {characterized by the parametric properties of the adhesive}
- 13/0259 . . {characterised by the release liner covering the skin adhering layer}
- 13/0263 . . . {especially adapted for island dressings}
- 13/0266 . . . {especially adapted for wound covering/occlusive dressings}
- 13/0269 . . {Tapes for dressing attachment (for stoma bags [A61F 5/443](#); for nappies or sanitary towels [A61F 13/58](#); wound closure tapes [A61B 17/085](#); for surgical drapes [A61B 46/00](#); attaching catheters [A61M 25/02](#))}
- 13/0273 . . {Adhesive bandages for winding around limb, trunk or head, e.g. cohesive}
- 13/0276 . . {Apparatus or processes for manufacturing adhesive dressings or bandages}
- 13/0279 . . . {by attaching individual patches on moving webs}
- 13/0283 . . . {for making adhesive or cohesive tape or fabrics therefor, e.g. coating or mechanical treatments}
- 13/0286 . . . {manufacturing of non adhesive dressings}
- 13/0289 . . . {manufacturing of adhesive dressings}
- 13/0293 . . . {manufacturing of plaster of Paris}
- 2013/0296 . . . {for making transdermal patches (chemical processes excluded)}
- 13/04 . Plaster of Paris bandages; Other stiffening bandages ([A61F 13/06](#) - [A61F 13/15](#) take precedence)
- 13/041 . . {Accessories for stiffening bandages, e.g. cast liners, heel-pieces}
- 13/043 . . . {Shoe-like cast covers; Cast socks ([A61F 15/004](#) takes precedence; shoe-like orthopaedic devices for protecting the feet against injuries after operations [A61F 5/0195](#); walking soles [A61F 13/045](#))}
- 13/045 . . . {Walking soles or heels}
- 13/046 . . . {Incorporated ventilation or cooling devices}
- 13/048 . . . {Braces for connecting two cast parts, e.g. hinged cast braces ([ortheses A61F 5/0102](#))}
- 13/06 . specially adapted for feet or legs; Corn-pads; Corn-rings
- 13/061 . . {for knees (incorporating non-textile reinforcing elements, e.g. springs or stays, [A61F 5/0111](#); Patella supports)}
- 13/062 . . . {Openable readjustable}
- 13/063 . . {Corn-pads; Corn-rings}
- 13/064 . . {for feet (incorporating non-textile reinforcing elements, e.g. springs or stays [A61F 5/0111](#); corn-pads, corn-rings [A61F 13/063](#))}
- 13/065 . . . {Looped bandages around the forefoot ([A61F 13/068](#) takes precedence)}
- 13/066 . . . {for the ankle}
- 13/067 . . . {for the sole of the foot (rigid shoe insertions for supporting the sole [A61F 5/14](#))}
- 13/068 . . . {for the toes (toe correcting or spreading devices [A61F 5/019](#))}
- 13/069 . . . {Decubitus ulcer bandages}
- 13/08 . Elastic stockings; for contracting aneurisms
- 13/085 . . . {Openable readjustable}
- 13/10 . specially adapted for fingers, hands, or arms; Finger-stalls; Nail-protectors ({restraining devices for arms [A61F 5/37](#); shoulder bandages [A61F 13/14](#))}
- 13/101 . . {for the elbow, e.g. decubitus ulcer bandages ([A61F 13/107](#) takes precedence)}
- 13/102 . . . {Openable readjustable}

- 13/104 . . {for the hands or fingers ([A61F 13/107](#) takes precedence)}
- 13/105 . . . {for the fingers; Finger-stalls; Nail-protectors (devices for correcting deformities of the nails [A61F 5/11](#))}
- 13/107 . . {for wrist support (incorporating non-textile reinforcing elements, e.g. springs or metal braces [A61F 5/0118](#)); Compression devices for tennis elbow (epicondylitis)}
- 13/108 . . . {Openable readjustable}
- 13/12 . specially adapted for the head or neck
- 13/122 . . {specially adapted for the face}
- 13/124 . . . {specially adapted for the eyes}
- 13/126 . . . {specially adapted for the nose}
- 13/128 . . {specially adapted for the neck}
- 13/14 . specially adapted for the breast or abdomen ([corsets or bandages for support of breast or abdomen \[A61F 5/03\]\(#\)](#))
- 13/141 . . {Milk breast pads}
- 13/143 . . {Thorax bandages or bandaging garments}
- 13/145 . . . {specially adapted for the female anatomy}
- 13/146 . . {Shoulder bandages or bandaging garments}
- 13/148 . . {Abdomen bandages or bandaging garments}
- 13/15 . Absorbent pads, e.g. sanitary towels, swabs or tampons for external or internal application to the body ([non-absorbent catamenial receptacles \[A61F\]\(#\)](#)); Supporting or fastening means therefor; Tampon applicators
- 2013/15008 . . {characterized by the use}
- 2013/15016 . . . {for breast; pads for bras}
- 2013/15024 . . . {for protecting the body against ulcers}
- 2013/15032 . . . {as umbilical bandage}
- 2013/1504 {for avoiding contact with umbilical region}
- 2013/15048 . . . {for protection against contamination, or protection in using body disinfecting wipes}
- 2013/15056 {for the protection for furniture, e.g. car seats, chairs, beds}
- 2013/15065 {for protecting in contaminated ambience, e.g. NBC or industrial chemicals}
- 2013/15073 . . . {as drapes}
- 2013/15081 . . . {as prophylaxis}
- 2013/15089 {as facial prophylaxis}
- 2013/15097 {as genital prophylaxis}
- 2013/15105 {as contraceptive, e.g. condom}
- 2013/15113 . . . {for haemorrhoids}
- 2013/15121 . . . {for mild incontinence}
- 2013/1513 . . . {for anal discharge}
- 2013/15138 {for flatus, i.e. gas}
- 2013/15146 . . . {for urine collection}
- 2013/15154 . . . {for hospitalised patients}
- 2013/15162 . . . {for jaundice phototherapy, i.e. UV light-permeable or transparent materials}
- 2013/1517 . . . {for puerperae, i.e. after childbirth}
- 2013/15178 . . . {for prevention and therapy of hip dysplasia or subluxation}
- 2013/15186 . . . {for animals}
- 2013/15195 . . . {as swimwear}
- 13/15203 . . {Properties of the article, e.g. stiffness or absorbency ([chemical aspects \[A61L 15/00\]\(#\)](#))}
- 13/15211 . . . {soluble or disintegratable in liquid}
- 2013/15219 {by mechanical separation of water resistant parts}
- 2013/15227 {by its solubility in particular Ph solution}
- 2013/15235 {by its solubility in water}
- 2013/15243 . . . {printed or coloured, e.g. to match skin}
- 13/15252 . . . {compostable or biodegradable}
- 2013/1526 {compostable}
- 13/15268 . . . {reusable ([with separable parts \[A61F 13/505\]\(#\)](#))}
- 2013/15276 . . . {washable}
- 2013/15284 . . . {characterized by quantifiable properties}
- 2013/15292 {Resistance, i.e. modulus or strength}
- 2013/153 {in dry conditions}
- 2013/15308 {in wet conditions, i.e. wet strength}
- 2013/15317 {Wet compressibility, i.e. void volume/gr}
- 2013/15325 {Stress relaxation or compression recovery}
- 2013/15333 {to hot, e.g. 90 decC washing procedures}
- 2013/15341 {to fire or flame}
- 2013/15349 {with controlled smoke emission}
- 2013/15357 {Stiffness, e.g. Taber rigidity}
- 2013/15365 {Dimensions}
- 2013/15373 {Calliper, i.e. thickness}
- 2013/15382 {Reduced thickness}
- 2013/1539 {being expandable}
- 2013/15398 {for giving the illusion of a thick absorbent pad}
- 2013/15406 {Basis weight}
- 2013/15414 {Bulk thickness}
- 2013/15422 {Density}
- 2013/1543 {with a density gradient in the horizontal plane}
- 2013/15439 {with a density gradient in the vertical plane}
- 2013/15447 {Fibre dimension, e.g. denier or tex}
- 2013/15455 {Volume-to-fibre surface area ratio}
- 2013/15463 {Absorbency}
- 2013/15471 {Total capacity}
- 2013/15479 {Drip capacity}
- 2013/15487 {Capillary properties, e.g. wicking}
- 2013/15495 {pore dimension}
- 2013/15504 {with a porosity gradient in the vertical or horizontal plane}
- 2013/15512 {with specific hydrophilicity}
- 2013/1552 {with specific diffusion velocity}
- 2013/15528 {with specific capillary or osmotic pressure}
- 2013/15536 {with a capillarity gradient in the vertical or horizontal plane}
- 2013/15544 {Permeability}
- 2013/15552 {Air permeability}
- 2013/1556 {Water permeability}
- 2013/15569 {Adhesivity}
- 13/15577 . . {Apparatus or processes for manufacturing}
- 13/15585 . . . {of babies' napkins, e.g. diapers ([A61F 13/15617 - \[A61F 13/15804\]\(#\) take precedence](#))}
- 13/15593 {having elastic ribbons fixed thereto; Devices for applying the ribbons}
- 13/15601 {the ribbons being applied transversely to the direction of the movement of the webs the diapers are being made of}
- 13/15609 {the ribbons being applied in an irregular path}
- 13/15617 . . . {Making absorbent pads from fibres or pulverulent material with or without treatment of the fibres}

13/15626	{Making fibrous pads without outer layers}	2013/15926	{for vacuum forming}
13/15634	{Making fibrous pads between sheets or webs}	2013/15934	{for making non-woven}
13/15642	{by depositing continuous layers or pads of fibrous material on single sheets or webs}	2013/15943	{by air-laid technique}
13/1565	{by depositing continuous layers of fibrous material between webs, e.g. wrapping layers of fibrous material}	2013/15951	{by wet-laid technique}
13/15658	{Forming continuous, e.g. composite, fibrous webs, e.g. involving the application of pulverulent material on parts thereof}	2013/15959	{by spunbond technique}
13/15666 . . .	{Wrapping formed fibrous webs or pads, e.g. the pads being formed by uniting pad pieces cut from fibrous webs}	2013/15967	{by meltblown technique}
13/15674	{by wrapping webs or pads between webs moving in their longitudinal direction}	2013/15975	{by non-bonded and deformable technique}
13/15682	{by folding webs, moving in their longitudinal direction, around webs or pads}	2013/15983	{by hydroentangled technique}
13/15691	{by inserting webs or pads in a tube or a netting, e.g. involving forming of the tube or netting}	2013/15991	{in making composite multi-layered product}
13/15699 . . .	{Forming webs by bringing together several webs, e.g. by laminating or folding several webs, with or without additional treatment of the webs}	2013/16 . . .	{Sanitary towels; Means for supporting or fastening them}
13/15707 . . .	{Mechanical treatment, e.g. notching, twisting, compressing, shaping}	13/20 . . .	Tampons, e.g. catamenial tampons; Accessories therefor
2013/15715	{Shaping or making outer layers}	13/2002 . . .	{characterised by the use}
13/15723	{Partitioning batts; Cutting}	13/2005	{specially adapted for the nose cavity}
13/15731	{Treating webs, e.g. for giving them a fibre-like appearance, e.g. by embossing}	13/2008	{specially adapted for the oral cavity}
13/15739	{Sealing, e.g. involving cutting}	13/2011	{specially adapted for anal cavity}
13/15747	{Folding; Pleating; Coiling; Stacking; Packaging}	2013/2014	{for endoscopic procedures}
13/15756 . . .	{Applying tabs, strips, tapes, loops; Knotting the ends of pads}	13/2017	{specially adapted for the ear cavity}
13/15764 . . .	{Transferring, feeding or handling devices; Drives}	13/202	{Catamenial tampons (A61F 13/2022 - A61F 13/34 take precedence)}
13/15772 . . .	{Control}	13/2022 . . .	{characterised by the shape}
2013/1578	{via optical means associated to computer coordinator}	13/2025	{adapted to change of shape once expelled of the applicator}
2013/15788	{of the presence of the article or components}	13/2028	{adapted to change of shape after absorption of liquid}
2013/15796	{of the alignment or position of article or components}	13/2031	{having depressions or elevations, e.g. dots, lines}
13/15804 . . .	{Plant, e.g. involving several steps}	13/2034	{having grooves or ribs, having a main axis in the longitudinal direction}
2013/15813	{with modular lines}	13/2037	{having grooves or ribs, having a main axis in the radial direction}
2013/15821 . . .	{characterized by the apparatus for manufacturing}	13/204	{having an external member remaining outside the body cavity, e.g. for form fitting or leakage prevention (withdraw strings persee A61F 13/34)}
2013/15829	{using pressure liquid jet}	13/2042	{having a central tubular opening}
2013/15837	{using solvent}	13/2045	{Cup-shaped type tampons (non-absorbent catamenial cups A61F 5/4553)}
2013/15845	{using a specific cam for programming the apparatus}	13/2048	{Ball-shaped tampons}
2013/15853	{using a specific computer algorithm for programming the apparatus}	13/2051 . . .	{characterised by the material or the structure of the inner absorbing core}
2013/15861	{for bonding}	13/2054	{made by compressing a not-rolled web or pledged}
2013/15869	{with ultrasonic energy}	13/2057	{made of foam}
2013/15878	{by thermal bonding}	13/206	{Tampons made of rolled-up material}
2013/15886	{by spot bonding}	13/2062	{Tampons made from folded lengths of material, e.g. of string}
2013/15894	{by infra-red radiation}	13/2065	{Tampons folded from sheets of material (A61F 13/206 takes precedence)}
2013/15902	{with specific parameters, e.g. temperature, pressure}	13/2068	{Tampons made from several layers (A61F 13/2065 , A61F 13/206 take precedence)}
2013/1591	{via adhesive}	13/2071 . . .	{characterised by the material or the structure of the outer layer}
2013/15918	{for die cutting}	13/2074 . . .	{impregnated with hydrophobic, hydrophilic, skin enhancers, medicinal etc. substances}
		13/2077 . . .	{having a visual effect, e.g. printed or embossed}

- 13/208 . . . {having means for avoiding leakage, e.g. liquid impermeable withdrawal end ([A61F 13/204](#) takes precedence)}
- 13/2082 . . . {Apparatus or processes of manufacturing}
- 13/2085 {Catamenial tampons}
- 13/2088 {shaping the tampon by compressing}
- 13/2091 {providing grooves on the tampon}
- 13/2094 {rolling a web material to form a tampon}
- 13/2097 {method of manufacturing tampon applicators}
- 13/26 . . . Means for inserting tampons {, i.e. applicators}
- 13/263 {with reduced length before use, e.g. with folding rod}
- 13/266 {Insertion devices, e.g. rods or plungers, separate from the tampon}
- 13/28 with lubricating means
- 13/34 . . . Means for withdrawing tampons {, e.g. withdrawal strings}
- 13/36 . . Surgical swabs, e.g. for absorbency or packing body cavities during surgery ([A61F 13/38](#) takes precedence)
- 13/38 . . Swabs having a stick-type handle, {e.g. cotton tips (ear cleaners other than cotton tips [A61F 11/006](#); swabs containing a liquid, e.g. in a rupturable reservoir, [A61M 35/006](#))}
- 13/385 . . . {Apparatus or processes of manufacturing}
- 13/42 . . with wetness indicator or alarm
- 2013/421 . . . {the alarm being a temperature change}
- 2013/422 . . . {the alarm being a colour change}
- 2013/423 . . . {the alarm being a volume change or a movement of a component}
- 2013/424 . . . {having an electronic device}
- 2013/425 . . . {being also a toilet training aid}
- 2013/426 . . . {Moisture sensitive polymers}
- 2013/427 . . . {pH indicator}
- 2013/428 . . . {for articles with superabsorbent materials}
- 2013/429 . . . {Thermochromic materials, e.g. ink or dye}
- 13/44 . . with radio-opaque material or signalling means for residual material
- 13/45 . . characterised by the shape (cup-shaped type tampons [A61F 13/2045](#))
- 2013/4506 . . . {special configurations using catheter or tube}
- 2013/4512 . . . {folded in special shape during use ([A61F 13/534](#), [A61F 13/551](#), [A61F 13/56](#), [A61F 13/15747](#) take precedence)}
- 2013/4518 {formed from two separated panels}
- 2013/4525 {by front and rear joined laterally at the crotch}
- 2013/4531 {by lateral panels joined at the centreline, i.e. along the longitudinal axis}
- 2013/4537 {with aeration ducts (with hose-like, tubular sealing barriers [A61F 13/49473](#))}
- 2013/4543 {with a special transverse section ([A61F 13/534](#) takes precedence)}
- 2013/455 {having a "W" shape}
- 2013/4556 {having a "M" shape}
- 2013/4562 {cup-shaped}
- 2013/4568 {three-dimensional; with split absorbent core}
- 2013/4575 {connected by elastic means}
- 2013/4581 {with absorbent core in separated pieces}
- 2013/4587 {with channels or deep spot depressions on the upper surface ([A61F 13/4704](#) and [A61F 13/49001](#) take precedence)}
- 2013/4593 {allowing introduction of medical instruments without removing the absorbent article}
- 13/47 . . . Sanitary towels, incontinence pads or napkins ([A61F 13/49](#) takes precedence)
- 13/4702 {having a reinforcing member}
- 13/4704 {having preferential bending zones, e.g. fold lines or grooves}
- 2013/4706 {enlarged in the anal area}
- 2013/4708 {Panty-liner}
- 13/471 specially adapted for male use
- 13/472 specially adapted for female use ([A61F 13/474](#), [A61F 13/475](#), [A61F 13/476](#) take precedence)}
- 13/47209 {having only interlabial part, i.e. with no extralabial parts}
- 13/47218 {with a raised crotch region, e.g. hump}
- 13/47227 {for interlabial use}
- 13/47236 {characterised by an unusual contour}
- 13/47245 {with asymmetry around the x or y axis}
- 13/47254 {with a tanga shape}
- 13/47263 {with activating means, e.g. elastic, heat or chemical activatable means}
- 13/47272 {with a longitudinal raised end, e.g. cup-shaped gluteal groove (for edge leakage prevention [A61F 13/494](#))}
- 2013/47281 {with internal collecting device}
- 2013/4729 {combining catamenial pad and tampon}
- 13/474 adjustable
- 13/475 characterised by edge leakage prevention means
- 13/4751 {the means preventing fluid flow in a transversal direction}
- 13/4752 {the means being an upstanding barrier}
- 13/4753 {the barrier being not integral with the topsheet or backsheet}
- 13/4755 {the means being a flat barrier on or inside the absorbent article, e.g. backsheet wrapped around the edges}
- 13/4756 {the means consisting of grooves, e.g. channels, depressions or embossments, resulting in a heterogeneous surface level}
- 13/4757 {the means being located outside the perimeter of the absorbent core ([A61F 13/4752](#) takes precedence)}
- 13/4758 {the means preventing fluid flow in a longitudinal direction}
- 13/476 characterised by encircling the crotch region of the undergarment
- 13/49 . . . Absorbent articles specially adapted to be worn around the waist, e.g. diapers
- 13/49001 {having preferential bending zones, e.g. fold lines or grooves}
- 13/49003 {Reusable, washable fabric diapers}
- 13/49004 {with fastening means}
- 13/49006 {the reusable article being in the form of pants or briefs, e.g. slip or panty for light incontinence}
- 13/49007 {Form-fitting, self-adjusting disposable diapers}
- 13/49009 {with elastic means}

13/49011	{ the elastic means is located at the waist region }	2013/49063	{ the diaper having decoupled components }
13/49012	{ the elastic means being elastic panels }	2013/49065	{ being joined by a transverse line }
13/49014	{ the elastic means is located at the side panels }	2013/49066	{ being joined by an area of low stiffness }
13/49015	{ the elastic means being elastic panels }	2013/49068	{ characterized by the shape of the outline }
13/49017	{ the elastic means being located at the crotch region }	2013/49069	{ being rectangular, i.e. parallelepiped }
13/49019	{ the elastic means being placed longitudinally, transversely or diagonally over the article }	2013/49071	{ being triangular }
13/4902	{ characterised by the elastic material }	2013/49073	{ being trapezoidal }
2013/49022	{ being elastomeric sheet }	2013/49074	{ hourglass; dog bone-shaped }
2013/49023	{ being textured, e.g. corrugated }	2013/49076	{ as "I"-shaped }
2013/49025	{ having multiple elastic strands }	2013/49077	{ as "T"-shaped }
2013/49026	{ with variable spacing }	2013/49079	{ as backbone-shape }
2013/49028	{ with different tensile stress }	2013/4908	{ concave }
2013/4903	{ being a net }	2013/49082	{ being a complex shape not covered by the other groups A61F 2013/49068-A61F 2013/4908 }
2013/49031	{ being elastic in longitudinal direction }	2013/49084	{ conformable }
2013/49033	{ being elastic in transversal direction }	2013/49085	{ with a multiplicity of rounded, i.e. spherical elements }
2013/49034	{ being elastic in both the transversal and longitudinal direction }	2013/49087	{ having breakable lateral stitches or panels }
2013/49036	{ having a inelastic zone by deactivating the elastic property }	2013/49088	{ characterized by the leg opening }
2013/49038	{ the elastic means is located all around the absorbent article's perimeter }	2013/4909	{ being asymmetric leg openings }
2013/49039	{ the elastic means is located around the target zone }	2013/49092	{ comprising leg cuffs }
2013/49041	{ having a specific location other than covered by groups A61F 13/49011 - A61F 13/49019 }	2013/49093	{ having multiple barriers }
2013/49042	{ with only stretchable part, i.e. part being not elastic but only extensible with not a full recovery of its original length }	2013/49095	{ Being formed by lateral sleets }
2013/49044	{ being stretchable non-elastic panels, (A61F 13/4902 takes precedence) }	2013/49096	{ with braces }
2013/49046	{ at the crotch }	2013/49098	{ Other Details not otherwise provided of the absorbent articles specially adapted to be worn around the waist }
2013/49047	{ at the ears }	13/491	specially adapted for gender distinct urine discharge pattern
2013/49049	{ on the hips }	13/4915	{ specially adapted for male use }
2013/4905	{ at the waist }	13/493	adjustable { by adding or removing material, e.g. umbilical cord arrangements (adjustable by the fastening A61F 13/5638, A61F 13/5655) }
2013/49052	{ having a specific direction of stretchability }	13/494	characterised by edge leakage prevention means
2013/49053	{ being stretchable in the longitudinal direction or machine direction, i.e. longitudinal }	13/49406	{ the edge leakage prevention means being at the crotch region }
2013/49055	{ being stretchable in transversal direction or cross machine direction }	13/49413	{ the edge leakage prevention means being an upstanding barrier }
2013/49057	{ being stretchable in both longitudinal and transversal direction }	13/4942	{ the barrier not being integral with the top- or back-sheet }
13/49058	{ characterised by the modular concept of constructing the diaper }	13/49426	{ the barrier having an absorbent medium }
13/4906	{ the diaper having an outer chassis forming the diaper and an independent absorbent structure attached to the chassis }	2013/49433	{ the barrier having variable heights }
13/49061	{ the diaper having one or two waist members forming the diaper waist region and an independent absorbent structure attached to the one or two waist members forming the crotch region }	2013/4944	{ having multiple barriers }
		13/49446	{ the edge leakage prevention means being an impermeable sheet or impermeable part of a sheet placed on or under the top sheet (A61F 13/49413 takes precedence) }
		13/49453	{ the edge leakage prevention sheet being combined with the impermeable backing sheet, e.g. integral with the backing sheet }
		13/4946	{ the edge leakage prevention means being an absorbent medium (A61F 13/49426 takes precedence) }
		13/49466	{ the edge leakage prevention means being at the waist region }

- 13/49473 {the edge leakage prevention means having a continuous closed form, e.g. circle, ellipse, rectangle}
- 2013/4948 {the edge leakage prevention means being elastic}
- 2013/49486 {the edge leakage prevention means being padded}
- 2013/49493 {the edge leakage prevention means being or forming three-dimensional barrier with raised lateral side-or end-wall}
- 13/495 with faecal cavity
- 2013/4951 {with internal barriers}
- 2013/4953 {with rear faecal part separate from front urinary part}
- 2013/4955 {with separable, disposable upper body layer}
- 2013/4956 {with vertical spacer or separator keeping other components out of contact}
- 2013/4958 {with a faecal management layer}
- 13/496 in the form of pants or briefs
- 13/4963 {characterized by the seam}
- 2013/4966 {with intentionally damp topsheet}
- 13/505 with separable parts, e.g. combination of disposable and reusable parts, (A61F 13/20, {A61F 13/49003} take precedence; supporting or fastening means A61F 13/56; {belts or the like A61F 13/64})
- 2013/5055 {Possibility of doubling or putting in new pieces}
- 13/51 characterised by the outer layers {(wicking or transfer layers A61F 13/537)}
- 2013/51002 {with special fibres}
- 2013/51004 {characterized by the length of the fibres}
- 2013/51007 {characterized by the orientation of fibres}
- 2013/51009 {characterized by the shape of the fibres}
- 2013/51011 {characterized by the count of the fibres, e.g. denier or tex}
- 2013/51014 {characterized by the connection between the fibres}
- 2013/51016 {followed by a distension heat treatment}
- 2013/51019 {being cellulosic material}
- 2013/51021 {being chemically modified}
- 2013/51023 {being polymeric fibres}
- 2013/51026 {being in thermoplastic material}
- 2013/51028 {being bicomponent}
- 2013/5103 {being hydrophobic}
- 2013/51033 {being hydrophilic}
- 2013/51035 {being biodegradable, e.g. Rayon, polylactate, dioxanone}
- 2013/51038 {being a mixture of fibres}
- 2013/5104 {with pulp and polymeric fibres}
- 2013/51042 {with hydrophobic and hydrophilic fibres}
- 2013/51045 {with thermoplastic binder}
- 2013/51047 {with antibacterial agents}
- 2013/5105 {with mineral or inert material}
- 2013/51052 {having different diameters}
- 2013/51054 {having different densities}
- 2013/51057 {having different ratio of fibres}
- 2013/51059 {being sprayed with chemicals}
- 2013/51061 {for rendering the surface hydrophobic}
- 2013/51064 {in the legs area}
- 2013/51066 {for rendering the surface hydrophilic}
- 2013/51069 {by hydrophilisation with plasma or corona discharge}
- 2013/51071 {with anti-static agents}
- 2013/51073 {with lubricants}
- 2013/51076 {with perfumes or odour-masking agents}
- 2013/51078 {being embossed}
- 2013/5108 {in grids}
- 2013/51083 {in point}
- 2013/51085 {being diamonds}
- 2013/51088 {in very fine microtexture}
- 2013/5109 {with odour control}
- 2013/51092 {characterized by the dimensions}
- 2013/51095 {being metallic}
- 2013/51097 {with high friction coefficient for fixation of the bandage}
- 13/511 Topsheet, i.e. the permeable cover or layer facing the skin
- 13/51104 {the top sheet having a three-dimensional cross-section, e.g. corrugations, embossments, recesses or projections}
- 13/51108 {the top sheet having corrugations or embossments having one axis relatively longer than the other axis, e.g. forming channels or grooves in a longitudinal direction}
- 13/51113 {comprising an additive, e.g. lotion or odour control (A61F 13/51108 takes precedence)}
- 2013/51117 {the lotion having skin care properties}
- 13/51121 {characterised by the material}
- 2013/51126 {being nets}
- 2013/5113 {being foams}
- 2013/51134 {the foam being compressed and expandable, e.g. a cellulosic sponge}
- 2013/51139 {being woven or knitted fabrics}
- 2013/51143 {being papers}
- 2013/51147 {being polymeric films}
- 2013/51152 {having specific distance between the fibres}
- 2013/51156 {having integrally attached}
- 13/5116 {being formed of multiple layers (A61F 13/5123 takes precedence)}
- 2013/51165 {with the combination of films and nonwovens}
- 2013/51169 {the nonwoven being hydroentangled or needlingentangled to the film}
- 2013/51173 {with the combination of polymeric films}
- 2013/51178 {with the combination of nonwoven webs}
- 2013/51182 {with non-continuous bonding}
- 2013/51186 {specially shaped topsheets}
- 2013/51191 {Self-sealing top layers}
- 2013/51195 {not contacting the absorber}
- 13/512 characterised by its apertures, e.g. perforations
- 13/5121 {characterised by the vertical shape of the apertures, e.g. three dimensional apertures, e.g. macro-apertures}
- 13/5122 {and comprising secondary apertures, e.g. macro-apertures in combination with microapertures}
- 13/5123 {the apertures being formed on a multilayer top sheet}

13/5125	. . . . .	{the apertures not being formed through the complete thickness of the topsheet, e.g. blind holes (blind holes in a single layered topsheet A61F 13/51104)}	2013/51431	. . . . .	{in the composition of the elastomer}
13/5126	. . . . .	{characterised by the planar distribution of the apertures, e.g. in a predefined pattern}	2013/51433	. . . . .	{being biodegradable}
2013/5127	. . . . .	{characterized by the dimension of apertures}	2013/51435	. . . . .	{having flame retardant agent or fire extinguishing agent}
2013/5128	. . . . .	{characterized by open targets or acquisitions or vulnerability zones}	2013/51437	. . . . .	{being integral with absorbent core}
13/513	. . . . .	{characterised by its function or properties, e.g. stretchability, breathability, rewet, visual effect;} having areas of different permeability	2013/51439	. . . . .	{being foams}
13/51305	. . . . .	{having areas of different permeability}	2013/51441	. . . . .	{being a fibrous material}
13/51311	. . . . .	{the permeability gradient being in the vertical direction}	2013/51443	. . . . .	{being impervious to fluids and being air permeable}
2013/51316	. . . . .	{with low friction coefficient}	2013/51445	. . . . .	{comprising microfibres, e.g. Gore-Tex}
2013/51322	. . . . .	{being elastomeric or stretchable}	2013/51447	. . . . .	{being air permeable}
2013/51327	. . . . .	{in only one specific direction}	2013/51449	. . . . .	{being knitted or woven fabrics}
2013/51333	. . . . .	{in only specific parts or sections of the top layer}	2013/5145	. . . . .	{being treated materials}
2013/51338	. . . . .	{having improved touch or feeling, e.g. smooth film}	2013/51452	. . . . .	{being nonwovens}
2013/51344	. . . . .	{with pile webs or velvet-like tissues}	2013/51454	. . . . .	{being papers}
2013/5135	. . . . .	{with flame retardant agents or fire extinguishing agents}	13/51456	. . . . .	{characterised by its properties}
2013/51355	. . . . .	{for improving fluid flow}	13/51458	. . . . .	{being air-pervious or breathable}
2013/51361	. . . . .	{with pleats or folds}	13/5146	. . . . .	{having apertures of perforations}
2013/51366	. . . . .	{with hydrophilic lower face}	13/51462	. . . . .	{being defined by a value or parameter}
2013/51372	. . . . .	{with valve or valve-like upper layer; Tapered capillary structures}	13/51464	. . . . .	{being stretchable or elastomeric}
2013/51377	. . . . .	{having decoration properties}	13/51466	. . . . .	{providing stretchability without the use of elastic material}
2013/51383	. . . . .	{being adapted for female properties}	2013/51468	. . . . .	{being removable}
2013/51388	. . . . .	{being adapted to male properties}	2013/5147	. . . . .	{the outer layer being adhesive itself}
13/51394	. . . . .	{creating a visual effect, e.g. having a printed or coloured topsheet, printed or coloured sub-layer but being visible from the topsheet, other than embossing for purposes of bonding, wicking, acquisition, leakage-prevention}	2013/51472	. . . . .	{for reducing noise}
13/514	. . . . .	Backsheet, i.e. the impermeable cover or layer furthest from the skin (A61F 13/15211 , A61F 13/15252 take precedence)	13/51474	. . . . .	{characterised by its structure}
13/51401	. . . . .	{characterised by the material}	13/51476	. . . . .	{being three-dimensional, e.g. embossed, textured, pleated, or with three-dimensional features, like gathers or loops}
13/51403	. . . . .	{with activating means, e.g. for closing apertures upon contact with water}	13/51478	. . . . .	{being a laminate, e.g. multi-layered or with several layers}
13/51405	. . . . .	{treated or coated, e.g. with moisture repellent agent}	13/5148	. . . . .	{having an impervious inner layer and a cloth-like outer layer}
2013/51407	. . . . .	{being flexible}	2013/51482	. . . . .	{being laminated on paper}
2013/51409	. . . . .	{being a film}	13/51484	. . . . .	{being inhomogeneous in the plane of the sheet, i.e. having zones of different properties or structures}
2013/51411	. . . . .	{being impervious to fluids but not for air or vapours}	2013/51486	. . . . .	{with specially shaped backsheets}
2013/51413	. . . . .	{with macroscopic openings}	2013/51488	. . . . .	{for napkins}
2013/51415	. . . . .	{with pores}	2013/5149	. . . . .	{being embossed}
2013/51417	. . . . .	{with thin films}	2013/51492	. . . . .	{having specially shaped gas or air bubbles or bag-like structure}
2013/51419	. . . . .	{with stretched areas}	2013/51494	. . . . .	{having underlayer extending around the longitudinal edges of the absorbent core}
2013/51421	. . . . .	{only in special places}	13/51496	. . . . .	{having visual effects}
2013/51423	. . . . .	{the vapour permeability being less than 500g/m ² /24h}	13/51498	. . . . .	{Details not otherwise provided for}
2013/51425	. . . . .	{being impervious, i.e. occlusive}	13/515	. . . . .	characterised by the interconnection of the topsheet and the backsheet
2013/51427	. . . . .	{having valves}	13/52	. . . . .	{Layers coated or treated to decrease absorbency}
2013/51429	. . . . .	{being elastomeric or stretchable sheet}	13/53	. . . . .	characterised by the absorbing medium (A61F 13/20 takes precedence)
			2013/530007	. . . . .	{being made from pulp}
			2013/530014	. . . . .	{being made in hard wood pulp}
			2013/530021	. . . . .	{being made in soft wood pulp}
			2013/530029	. . . . .	{being made from cotton}
			2013/530036	. . . . .	{being made in chemically-modified cellulosic material, e.g. Rayon}
			2013/530043	. . . . .	{being made in oxidized cellulose}

- 2013/530051 {being made in cross-linked cellulosic fibres}
- 2013/530058 {with specific method of producing wood pulp fibres}
- 2013/530065 {with chemical pulp}
- 2013/530072 {with sulphate pulp, e.g. Kraft}
- 2013/53008 {being unbleached}
- 2013/530087 {with debonding agents}
- 2013/530094 {with mechanical pulp}
- 2013/530102 {with thermomechanical pulp}
- 2013/530109 {with chemithermomechanical pulp}
- 2013/530116 {with recycled material, e.g. paper}
- 2013/530124 {with compressed and delaminated material}
- 2013/530131 {being made in fibre but being not pulp}
- 2013/530138 {characterized by the fibre length}
- 2013/530145 {being short}
- 2013/530153 {being long}
- 2013/53016 {having special shape}
- 2013/530167 {being crimped}
- 2013/530175 {with capillary channel}
- 2013/530182 {characterized by the connection between the fibres}
- 2013/530189 {with thermoplastic adhesive}
- 2013/530197 {with water-soluble binder}
- 2013/530204 {being alcohol-based binder}
- 2013/530211 {with water-insoluble binder}
- 2013/530218 {followed by heat treatment}
- 2013/530226 {with polymeric fibres}
- 2013/530233 {being thermoplastic fibres}
- 2013/53024 {being bicomponent fibres}
- 2013/530248 {being thermosetting fibres}
- 2013/530255 {being hydrophobic fibres}
- 2013/530262 {only in particular parts or specially arranged}
- 2013/53027 {the maximum being at the crotch}
- 2013/530277 {the maximum being at front or rear}
- 2013/530284 {the maximum being at a certain depth in the thickness}
- 2013/530291 {the maximum being along the sides}
- 2013/530299 {being hydrophilic fibres}
- 2013/530306 {coated with superabsorbent polymer}
- 2013/530313 {being biodegradable}
- 2013/530321 {in biopolymer, e.g. PHA}
- 2013/530328 {being mineral fibres, e.g. glass}
- 2013/530335 {being in peat moss}
- 2013/530343 {being natural fibres}
- 2013/53035 {of cotton}
- 2013/530357 {of wool}
- 2013/530364 {of bamboo}
- 2013/530372 {of ramie or jute or linen}
- 2013/530379 {comprising mixtures of fibres}
- 2013/530386 {with pulp and polymeric}
- 2013/530394 {in in form}
- 2013/530401 {with hydrophobic and hydrophilic fibres}
- 2013/530408 {with thermoplastic binder}
- 2013/530416 {having different count, e.g. denier or tex}
- 2013/530423 {having different densities}
- 2013/53043 {with different ratio of components}
- 2013/530437 {having a part with elevated absorption means}
- 2013/530445 {by defining a target or acquisition or vulnerability zone}
- 2013/530452 {having chemically-stiffened fibres}
- 2013/530459 {being curled}
- 2013/530467 {being twisted}
- 2013/530474 {being cross-linked}
- 2013/530481 {having superabsorbent materials, i.e. highly absorbent polymer gel materials}
- 2013/530489 {being randomly mixed in with other material}
- 2013/530496 {being fixed to fibres}
- 2013/530503 {comprising poly-aluminium-chloride}
- 2013/53051 {being only in particular parts or specially arranged}
- 2013/530518 {the maximum being at the crotch}
- 2013/530525 {the maximum being at front or rear}
- 2013/530532 {the maximum being at certain depth in the thickness}
- 2013/53054 {the maximum being along the side edges}
- 2013/530547 {positioned in a separate layer or layers}
- 2013/530554 {and being fixed to a web}
- 2013/530562 {being arranged in discontinuous pattern}
- 2013/530569 {characterized by the particle size}
- 2013/530576 {having different size in different parts}
- 2013/530583 {characterized by the form}
- 2013/530591 {in granules or particles}
- 2013/530598 {in aggregates}
- 2013/530605 {in sheet}
- 2013/530613 {in fibres}
- 2013/53062 {being made into a paper or non-woven}
- 2013/530627 {in flakes}
- 2013/530635 {in thin film}
- 2013/530642 {being cross-linked or polymerised in situ}
- 2013/530649 {in sponge or foam}
- 2013/530656 {being cut into pieces}
- 2013/530664 {being a knitted or woven fabric}
- 2013/530671 {being mixed with mineral or inert material, e.g. "introfying particles"}
- 2013/530678 {with citric acid}
- 2013/530686 {with metallic soluble salts, e.g. Na, K, Mg chloride}
- 2013/530693 {with polymeric material}
- 2013/5307 {characterized by the quantity or ratio of superabsorbent material}
- 2013/530708 {characterized by the absorbency properties}
- 2013/530715 {by the acquisition rate}
- 2013/530722 {by the delayed absorbency}
- 2013/530729 {by the swelling rate}
- 2013/530737 {by the absorbent capacity}
- 2013/530744 {by the absorbency under load}
- 2013/530751 {by the centrifugal load}
- 2013/530759 {by the osmotic feature}
- 2013/530766 {by the cross-link factor}
- 2013/530773 {by the inverse temperature transition}
- 2013/530781 {by the ionic surfactant, e.g. salt resistant}
- 2013/530788 {characterized by the gel layer permeability}
- 2013/530795 {being biodegradable}
- 2013/530802 {characterized by the foam or sponge other than superabsorbent ([A61F 2013/530649](#) takes precedence)}

- 2013/53081 {with special pore dimension or arrangement}
- 2013/530817 {being open cells}
- 2013/530824 {the cells being opened by mechanical or physical treatment}
- 2013/530832 {being closed cells}
- 2013/530839 {being hydrophilic}
- 2013/530846 {being hydrophobic}
- 2013/530854 {being collapsed or collapsible foam}
- 2013/530861 {having slit regions}
- 2013/530868 {characterized by the liquid distribution or transport means other than wicking layer ([A61F 13/537](#) takes precedence)}
- 2013/530875 {having holes}
- 2013/530883 {having folds}
- 2013/53089 {having impervious part}
- 2013/530897 {having capillary means, e.g. pore or fibre size gradient}
- 2013/530905 {being hydrophilic}
- 2013/530912 {being hydrophobic}
- 2013/530919 {being hydroneutral}
- 2013/530927 {having longitudinal barriers}
- 2013/530934 {having a density gradient}
- 2013/530941 {through the thickness}
- 2013/530948 {along the length}
- 2013/530956 {being only in particular parts or specially arranged}
- 2013/530963 {being maximum at the crotch}
- 2013/53097 {being at front or rear region}
- 2013/530978 {being at a particular depth in the thickness}
- 2013/530985 {being along the side edges}
- 2013/530992 {in the form of string or ball instead of sheets}
- 13/531 having a homogeneous composition through the thickness of the pad ([A61F 13/538](#), [A61F 13/539](#) take precedence)
- 2013/5312 {with structure resisting compression}
- 2013/5315 {with a tissue-wrapped core}
- 2013/5317 {with integral impervious bottom surface}
- 13/532 inhomogeneous in the plane of the pad
- 13/5323 {having absorbent material located in discrete regions, e.g. pockets}
- 2013/5326 {being a flanged fibrous pad}
- 13/533 having discontinuous areas of compression
- 13/534 having an inhomogeneous composition through the thickness of the pad ([A61F 13/538](#), [A61F 13/539](#) take precedence; homogeneous cores with tissue wrapping [A61F 13/53](#))
- 13/53409 {having a folded core}
- 13/53418 {having a C-folded cross-section}
- 13/53427 {having an e-folded cross-section}
- 13/53436 {having an undulated or corrugated cross-section}
- 2013/53445 {from several sheets}
- 2013/53454 {with mirror-like structure}
- 2013/53463 {with a reinforcing structure, e.g. net}
- 2013/53472 {being a non-woven tissue wrapping the core}
- 2013/53481 {being biodegradable}
- 2013/5349 {being a tissue-wrapped core}
- 13/535 inhomogeneous in the plane of the pad, e.g. core absorbent layers being of different sizes ([A61F 13/5323](#), [A61F 13/537](#) take precedence)}
- 2013/5355 {with terraced core}
- 13/536 having discontinuous areas of compression
- 13/537 characterised by a layer facilitating or inhibiting flow in one direction or plane, e.g. a wicking layer ([A61F 13/538](#) takes precedence)}
- 13/53704 {the layer having an inhibiting function on liquid propagation}
- 13/53708 {the layer having a promotional function on liquid propagation in at least one direction}
- 13/53713 {the layer having a promotional function on liquid propagation in the vertical direction}
- 13/53717 {the layer having a promotional function on liquid propagation in the horizontal direction}
- 2013/53721 {with capillary means}
- 2013/53726 {on the top layer}
- 2013/5373 {on the bottom layer}
- 2013/53734 {with compressed lines}
- 2013/53739 {with compressed points}
- 13/53743 {characterised by the position of the layer relative to the other layers}
- 13/53747 {the layer is facing the topsheet ([layer is part of the topsheet A61F 13/511](#))}
- 13/53752 {the layer is embedded in the absorbent core}
- 13/53756 {the layer facing the back-sheet}
- 13/5376 {characterised by the performance of the layer, e.g. acquisition rate, distribution time, transfer time}
- 2013/53765 {characterized by its geometry}
- 2013/53769 {with the wicking layer not contacting the absorbent core}
- 2013/53773 {with a deformable spacing structure}
- 2013/53778 {with grooves}
- 2013/53782 {with holes}
- 2013/53786 {with folds}
- 2013/53791 {being resilient or elastic}
- 2013/53795 {being a surge management layer}
- 13/538 characterised by specific fibre orientation or weave
- 2013/5383 {by the fibre orientation in the x-y plane}
- 2013/5386 {by the fibre orientation in the z plane or vertical direction}
- 13/539 characterised by the connection of the absorbent layers with each other or with the outer layers
- 2013/53908 {with adhesive}
- 2013/53916 {with epicyclical pattern}
- 2013/53925 {with intermittent pattern, e.g. spots}
- 2013/53933 {with water-soluble binder}
- 2013/53941 {being alcohol-based binder}
- 2013/5395 {with thermoplastic agent, i.e. softened by heat}
- 2013/53958 {with separate adhesive layer}
- 2013/53966 {by needling, sewing, blow-needling}
- 2013/53975 {by Hydraulic entanglement}

2013/53983	. . . . {with hook and loop-type fastener or the like}	2013/5694	. . . . {Other non adhesive means than hook and loop-type fastener or belts (A61F 13/62 , A61F 13/64 and A61F 13/66 take precedence)}
2013/53991	. . . . {by ultrasonic method}	13/58	. . . . Adhesive tab fastener elements (A61F 13/5611 , A61F 13/5616), A61F 13/66 take precedence)
13/551	. . . . Packaging before or after use {(general packaging of absorbent pads B65D 85/00)}	13/581	. . . . {Tab fastener elements combining adhesive and mechanical fastening (fabric strip fastener elements A61F 13/62)}
13/55105	. . . . {packaging of diapers}	2013/582	. . . . {with one strip on one place}
13/5511	. . . . {characterized by the container (A61F 15/00 takes precedence)}	2013/583	. . . . {with strips on several places}
13/55115	. . . . {characterized by the features before use, e.g. how are the diapers folded or arranged in a package}	2013/585	. . . . {being spot like}
13/5512	. . . . {after use}	2013/586	. . . . {on lateral flaps}
2013/55125	. . . . {the disposal system being a bag or a pocket integral with or attached to the diaper}	2013/587	. . . . {on rear or front tabs}
13/5513	. . . . {packaging of feminine sanitary napkins}	2013/588	. . . . {on waist panels}
13/55135	. . . . {before use}	13/60	. . . . with release means associated with tab fasteners
13/5514	. . . . {each item packaged single}	13/62	. . . . {Mechanical fastening means, (A61F 13/5611 , A61F 13/5616 , A61F 13/581 , A61F 13/66 take precedence);} Fabric strip fastener elements, e.g. hook and loop
13/55145	. . . . {multiple packaged items}	13/622	. . . . {Fabric strip fastener elements, e.g. hook and loop}
13/5515	. . . . {after use}	13/625	. . . . {characterised by the hook}
2013/55155	. . . . {the disposal system being a bag or pocket integral with or attached to the sanitary napkin}	13/627	. . . . {characterised by the loop}
13/5516	. . . . {packaging of interlabial absorbing articles}	13/64	. . . . Straps, belts, ties or endless bands (A61F 13/5605 , A61F 13/5622), A61F 13/66 take precedence)
13/55165	. . . . {before use}	13/66	. . . . Garments, holders or supports not integral with absorbent pads
13/5517	. . . . {after use}	13/665	. . . . {Means specific for supporting or fastening sanitary towels; and sanitary towels}
13/55175	. . . . {packaging of tampons}	13/68	. . . . abdominal enclosing type
13/5518	. . . . {after use}	13/70	. . . . with openable or removable crotch portion
13/55185	. . . . {in combination with the applicator}	13/72	. . . . with endless waist encircling band, e.g. panty type
13/5519	. . . . {packages containing more than one kind of item, e.g. tampon and napkin, or diaper and an exchangeable insert}	13/74	. . . . having means to retain absorbent pads
2013/55195	. . . . {Packaging for dispensing and disposing}	13/76	. . . . transverse to width of the pads or fastener elements, e.g. straps, end flaps or tucks
13/56	. . . . Supporting or fastening means	13/78	. . . . . Button or snap fastener elements
13/5605	. . . . {specially adapted for sanitary napkins or the like}	13/80	. . . . adjustable relative to body crotch area
13/5611	. . . . {using fastening strips, e.g. adhesive, on the undergarment-facing side}	13/82	. . . . with means for attaching to the body
13/5616	. . . . {using flaps, e.g. adhesive, for attachment to the undergarment (leakage prevention means encircling the crotch portion A61F 13/476)}	13/84	. . . . Accessories, not otherwise provided for, for absorbent pads
13/5622	. . . . {specially adapted for diapers or the like}	2013/8402	. . . . {including disposal means (A61F 13/5512 , A61F 13/5515 , A61F 13/5517 , A61F 13/5518 take precedence)}
2013/5627	. . . . {comprising a zip fastener}	13/8405	. . . . {Additives, e.g. for odour, disinfectant or pH control}
13/5633	. . . . {open type diaper}	2013/8408	. . . . {with odour control}
13/5638	. . . . {adjustable open type diapers (adjustable otherwise than by the fasteners A61F 13/493)}	2013/8411	. . . . {in controlling solution Ph}
13/5644	. . . . . {having more than one pair of fasteners}	2013/8414	. . . . {with anti-microbial}
13/565	. . . . {pants type diaper}	2013/8417	. . . . . {being anti-mycosis}
13/5655	. . . . . {adjustable pants type diapers (adjustable otherwise than by the fasteners A61F 13/493)}	2013/842	. . . . . {with active charcoal}
2013/5661	. . . . {in special holders for beds, chairs or seats}	2013/8423	. . . . . {with molecular sieves; zeolites}
2013/5666	. . . . {connected to itself (A61F 13/58 and A61F 13/62 take precedence)}	2013/8426	. . . . . {with metallic salts}
2013/5672	. . . . {with buttons or the like (A61F 13/78 takes precedence)}	2013/8429	. . . . . {with ion exchange resins}
2013/5677	. . . . {refastenable}	2013/8432	. . . . . {with glycerine polyol}
2013/5683	. . . . {Disposition or arrangement}	2013/8435	. . . . . {with plant derivatives}
2013/5688	. . . . {inclined at an oblique angle to the longitudinal axis}	2013/8438	. . . . . {being enzymes, e.g. proteolysis, cellulase}
		2013/8441	. . . . . {being cultures}
		2013/8444	. . . . . {being microbial, e.g. bulgaricus}
		2013/8447	. . . . . {in using different incompatible substances}

- 2013/845 {being powder embodied in a polymeric matrix}
 - 2013/8452 {being contained in microcapsules}
 - 2013/8455 {being lubricants}
 - 2013/8458 {having bees-wax}
 - 2013/8461 {having petroleum derivative}
 - 2013/8464 {having plant derivative}
 - 2013/8467 {being antistatic agents}
 - 2013/847 {being infrared absorbing agent}
 - 2013/8473 {for diagnostic purposes}
 - 2013/8476 {with various devices or method}
 - 2013/8479 {including electric or magnetic devices}
 - 2013/8482 {including numeric control, e.g. using computer}
 - 2013/8485 {including optical filtering devices}
 - 2013/8488 {including testing apparatus}
 - 2013/8491 {including test methods}
 - 2013/8494 {including pumping devices}
 - 2013/8497 {having decorations or indicia means}
- 15/00 Auxiliary appliances for wound dressings; Dispensing containers for dressings or bandages**
{(packaging of absorbent articles such as diapers, feminine hygiene absorbing pads or tampons [A61F 13/551](#); packaging of wound dressings [A61F 13/00072](#))}
- 15/001 . . . {Packages or dispensers for bandages, cotton balls, drapes, dressings, gauze, gowns, sheets, sponges, swabsticks or towels ([A61F 15/007](#) takes precedence)}
 - 15/002 . . . {dispensers for web or tape like bandages}
 - 15/003 . . . {dispensers for catamenial tampons}
 - 15/004 . . . {Bandage protectors}
 - 15/005 . . . {Bandage applicators}
 - 15/006 . . . {Bandage fasteners}
 - 15/007 . . . {Bandage winders}
 - 15/008 . . . {Appliances for wound protecting, e.g. avoiding contact between wound and bandage ([corn plasters A61F 13/063](#))}
 - 15/02 . . . Devices for cutting bandages of any kind, e.g. shears, cast-cutting saws
- 17/00 First-aid kits**

- 2210/0042 using a fluid, e.g. circulating
- 2210/0047 heated by light
- 2210/0052 ultrasonically
- 2210/0057 stretchable
- 2210/0061 swellable
- 2210/0066 shrinkable
- 2210/0071 thermoplastic
- 2210/0076 multilayered, e.g. laminated structures
- 2210/008 Phase change materials [PCM], e.g. for storing latent heat
- 2210/0085 hardenable in situ, e.g. epoxy resins
- 2210/009 magnetic
- 2210/0095 radioactive

Filters; Devices providing patency to tubular structures; Prostheses; Accessories

- 2220/00 Fixations or connections for prostheses classified in groups [A61F 2/00](#) - [A61F 2/26](#) or [A61F 2/82](#) or [A61F 9/00](#) or [A61F 11/00](#) or subgroups thereof**
- 2220/0008 . . . Fixation appliances for connecting prostheses to the body
 - 2220/0016 . . . with sharp anchoring protrusions, e.g. barbs, pins, spikes
 - 2220/0025 . . . Connections or couplings between prosthetic parts, e.g. between modular parts; Connecting elements
 - 2220/0033 . . . made by longitudinally pushing a protrusion into a complementary-shaped recess, e.g. held by friction fit
 - 2220/0041 . . . using additional screws, bolts, dowels or rivets, e.g. connecting screws
 - 2220/005 . . . using adhesives
 - 2220/0058 . . . soldered or brazed or welded
 - 2220/0066 . . . stapled
 - 2220/0075 . . . sutured, ligatured or stitched, retained or tied with a rope, string, thread, wire or cable
 - 2220/0083 . . . using hook and loop-type fasteners
 - 2220/0091 . . . connected by a hinged linkage mechanism, e.g. of the single-bar or multi-bar linkage type
- 2230/00 Geometry of prostheses classified in groups [A61F 2/00](#) - [A61F 2/26](#) or [A61F 2/82](#) or [A61F 9/00](#) or [A61F 11/00](#) or subgroups thereof**
- 2230/0002 . . . Two-dimensional shapes, e.g. cross-sections
 - 2230/0004 . . . Rounded shapes, e.g. with rounded corners
 - 2230/0006 circular
 - 2230/0008 elliptical or oval
 - 2230/001 Figure-8-shaped, e.g. hourglass-shaped
 - 2230/0013 Horseshoe-shaped, e.g. crescent-shaped, C-shaped, U-shaped
 - 2230/0015 Kidney-shaped, e.g. bean-shaped
 - 2230/0017 Angular shapes
 - 2230/0019 rectangular
 - 2230/0021 square
 - 2230/0023 triangular
 - 2230/0026 trapezoidal
 - 2230/0028 Shapes in the form of latin or greek characters
 - 2230/003 Alpha-shaped
 - 2230/0032 B-shaped
 - 2230/0034 D-shaped
 - 2230/0036 E-shaped, e.g. epsilon-shaped
 - 2230/0039 H-shaped
 - 2230/0041 J-shaped
 - 2230/0043 L-shaped

- 2210/00 Particular material properties of prostheses classified in groups [A61F 2/00](#) - [A61F 2/26](#) or [A61F 2/82](#) or [A61F 9/00](#) or [A61F 11/00](#) or subgroups thereof**
- 2210/0004 . . . bioabsorbable
 - 2210/0009 . . . using materials or accessories for preventing galvanic or electrolytic corrosion
 - 2210/0014 . . . using shape memory or superelastic materials, e.g. nitinol
 - 2210/0019 . . . operated at only one temperature whilst inside or touching the human body, e.g. constrained in a non-operative shape during surgery, another temperature only occurring before the operation
 - 2210/0023 . . . operated at different temperatures whilst inside or touching the human body, heated or cooled by external energy source or cold supply
 - 2210/0028 cooled
 - 2210/0033 electrically, e.g. heated by resistor
 - 2210/0038 electromagnetically

- 2230/0045 . . . Omega-shaped
- 2230/0047 . . . Pi-shaped
- 2230/005 . . . Rosette-shaped, e.g. star-shaped
- 2230/0052 . . . T-shaped
- 2230/0054 . . . V-shaped
- 2230/0056 . . . W-shaped, e.g. M-shaped, sigma-shaped
- 2230/0058 . . . X-shaped
- 2230/006 . . . Y-shaped
- 2230/0063 . Three-dimensional shapes
- 2230/0065 . . toroidal, e.g. ring-shaped, doughnut-shaped
- 2230/0067 . . conical
- 2230/0069 . . cylindrical
- 2230/0071 . . spherical
- 2230/0073 . . Quadric-shaped
- 2230/0076 . . . ellipsoidal or ovoid
- 2230/0078 . . . hyperboloidal
- 2230/008 . . . paraboloidal
- 2230/0082 . . parallelepipedal
- 2230/0084 . . . cubical
- 2230/0086 . . Pyramidal, tetrahedral, or wedge-shaped
- 2230/0089 . . . tetrahedral, i.e. having a triangular basis
- 2230/0091 . . helically-coiled or spirally-coiled, i.e. having a 2-D spiral cross-section
- 2230/0093 . . Umbrella-shaped, e.g. mushroom-shaped
- 2230/0095 . . Saddle-shaped
- 2230/0097 . . Harpoon-shaped
- 2240/00** **Manufacturing or designing of prostheses classified in groups [A61F 2/00](#) - [A61F 2/26](#) or [A61F 2/82](#) or [A61F 9/00](#) or [A61F 11/00](#) or subgroups thereof**
- 2240/001 . Designing or manufacturing processes
- 2240/002 . . Designing or making customized prostheses
- 2240/004 . . . Using a positive or negative model, e.g. moulds
- 2240/005 . . Templates
- 2240/007 . . Dummy prostheses
- 2240/008 . . Means for testing implantable prostheses
- 2250/00** **Special features of prostheses classified in groups [A61F 2/00](#) - [A61F 2/26](#) or [A61F 2/82](#) or [A61F 9/00](#) or [A61F 11/00](#) or subgroups thereof**
- 2250/0001 . Means for transferring electromagnetic energy to implants
- 2250/0002 . . for data transfer
- 2250/0003 . having an inflatable pocket filled with fluid, e.g. liquid or gas
- 2250/0004 . adjustable
- 2250/0006 . . for adjusting angular orientation
- 2250/0007 . . for adjusting length
- 2250/0008 . . for adjusting a position by translation along an axis or two perpendicular axes
- 2250/0009 . . for adjusting thickness
- 2250/001 . . for adjusting a diameter
- 2250/0012 . . for adjusting elasticity, flexibility, spring rate or mechanical tension
- 2250/0013 . . for adjusting fluid pressure
- 2250/0014 . having different values of a given property or geometrical feature, e.g. mechanical property or material property, at different locations within the same prosthesis
- 2250/0015 . . differing in density or specific weight
- 2250/0017 . . . differing in yarn density
- 2250/0018 . . differing in elasticity, stiffness or compressibility
- 2250/0019 . . differing in hardness, e.g. Vickers, Shore, Brinell
- 2250/002 . . differing in moment of inertia
- 2250/0021 . . differing in coefficient of friction
- 2250/0023 . . differing in porosity
- 2250/0024 . . . made from both porous and non-porous parts, e.g. adjacent parts
- 2250/0025 . . differing in roughness
- 2250/0026 . . differing in surface structures
- 2250/0028 . . differing in fibre orientations
- 2250/0029 . . differing in bending or flexure capacity
- 2250/003 . . differing in adsorbability or resorbability, i.e. in adsorption or resorption time
- 2250/0031 . . . made from both resorbable and non-resorbable prosthetic parts, e.g. adjacent parts
- 2250/0032 . . differing in radiographic density
- 2250/0034 . . differing in viscosity
- 2250/0035 . . differing in release or diffusion time
- 2250/0036 . . differing in thickness
- 2250/0037 . . differing in height or in length
- 2250/0039 . . differing in diameter
- 2250/004 . . differing in coefficient of thermal expansion, e.g. dilation, dilatation
- 2250/0041 . . differing in wear resistance
- 2250/0042 . . differing in shape-memory transition temperatures, e.g. in martensitic transition temperature, in austenitic transition temperature
- 2250/0043 . . differing in electric properties, e.g. in electrical conductivity, in galvanic properties
- 2250/0045 . . . differing in electromagnetical properties
- 2250/0046 . . differing in melting temperature
- 2250/0047 . . differing in thermal conductivity
- 2250/0048 . . differing in mechanical expandability, e.g. in mechanical, self- or balloon expandability
- 2250/005 . . differing in colour
- 2250/0051 . . differing in tissue ingrowth capacity, e.g. made from both ingrowth-promoting and ingrowth-preventing parts
- 2250/0052 . . . differing in bone ingrowth capacity
- 2250/0053 . . differing in optical properties
- 2250/0054 . . differing in corrosion resistance
- 2250/0056 . . differing in wettability, e.g. in hydrophilic or hydrophobic behaviours
- 2250/0057 . . made from both cured and uncured parts
- 2250/0058 . Additional features; Implant or prostheses properties not otherwise provided for
- 2250/0059 . . temporary
- 2250/006 . . modular
- 2250/0062 . . . Kits of prosthetic parts to be assembled in various combinations for forming different prostheses
- 2250/0063 . . . Nested prosthetic parts
- 2250/0064 . . . Sets comprising a plurality of prosthetic parts of different sizes
- 2250/0065 . . telescopic
- 2250/0067 . . Means for introducing or releasing pharmaceutical products into the body
- 2250/0068 . . . the pharmaceutical product being in a reservoir
- 2250/0069 . . Sealing means
- 2250/007 . . . O-rings
- 2250/0071 . . breakable or frangible
- 2250/0073 . . Force-limiting means
- 2250/0074 . . . Torque-limiting means
- 2250/0075 . . Sound-damping or noise-reducing means

2250/0076	. . waterproof	2310/00167	. . . Diamond or diamond-like carbon
2250/0078	. . Gender-specific, e.g. different for male and female patients	2310/00173	. . . Graphite
2250/0079	. . Means for preventing the accidental forgetting of prosthetic parts inside the body during operation	2310/00179	. . Ceramics or ceramic-like structures
2250/008	. . Alarm means	2310/00185	. . . based on metal oxides
2250/0081	. . Prosthesis for animals	2310/00191	. . . . containing beryllium oxide
2250/0082	. . specially designed for children, e.g. having means for adjusting to their growth	2310/00197	. . . . containing magnesia or magnesium oxide
2250/0084	. . Means for distinguishing between left-sided and right-sided devices; Sets comprising both left-sided and right-sided prosthetic parts	2310/00203	. . . . containing alumina or aluminium oxide
2250/0085	. . Identification means; Administration of patients	2310/00209	. . . . . Corundum or Sapphire
2250/0086	. . . with bar code	2310/00215	. . . . containing silica or silicon oxide
2250/0087	. . . colour-coded	2310/00221	. . . . containing calcia or calcium oxide
2250/0089	. . . coded with symbols, e.g. dots, numbers, letters, words	2310/00227	. . . . containing titania or titanium oxide
2250/009	. . for single use, e.g. having means for preventing re-use	2310/00233	. . . . containing chromia or chromium oxides CrO, CrO ₂ or CrO ₃
2250/0091	. . transparent or translucent	2310/00239	. . . . containing zirconia or zirconium oxide ZrO ₂
2250/0092	. . Means for cleaning prostheses	2310/00245	. . . . containing niobium oxide
2250/0093	. . Ultrasound system, e.g. for inducing coagulation during eye surgery	2310/00251	. . . . containing hafnia or hafnium oxide
2250/0095	. . . with high intensity focused ultrasound	2310/00257	. . . . containing tantalum oxide
2250/0096	. . Markers and sensors for detecting a position or changes of a position of an implant, e.g. RF sensors, ultrasound markers	2310/00263	. . . based on metal borides
2250/0097	. . . Visible markings, e.g. indicia	2310/00269	. . . based on metal carbides
2250/0098	. . . radio-opaque, e.g. radio-opaque markers	2310/00275	. . . . containing boron carbide
2310/00	Prostheses classified in A61F 2/28 or A61F 2/30 - A61F 2/44 being constructed from or coated with a particular material	2310/00281	. . . . containing silicon carbide
2310/00005	. The prosthesis being constructed from a particular material	2310/00287	. . . . containing titanium carbide
2310/00011	. . Metals or alloys	2310/00293	. . . containing a phosphorus-containing compound, e.g. apatite
2310/00017	. . . Iron- or Fe-based alloys, e.g. stainless steel	2310/00299	. . . based on metal nitrides
2310/00023	. . . Titanium or titanium-based alloys, e.g. Ti-Ni alloys	2310/00305	. . . . containing boron nitride
2310/00029	. . . Cobalt-based alloys, e.g. Co-Cr alloys or Vitallium	2310/00311	. . . . containing aluminium nitride
2310/00035	. . . Other metals or alloys	2310/00317	. . . . containing silicon nitride
2310/00041	. . . . Magnesium or Mg-based alloys	2310/00323	. . . . containing titanium nitride
2310/00047	. . . . Aluminium or Al-based alloys	2310/00329	. . Glasses, e.g. bioglass
2310/00053	. . . . Vanadium or V-based alloys	2310/00335	. . . Porcelain
2310/00059	. . . . Chromium or Cr-based alloys	2310/00341	. . Coral, e.g. aragonite, porite
2310/00065	. . . . Manganese or Mn-based alloys	2310/00347	. . Nacre or mother-of-pearl
2310/00071	. . . . Nickel or Ni-based alloys	2310/00353	. . Bone cement, e.g. polymethylmethacrylate or PMMA
2310/00077	. . . . Copper or Cu-based alloys	2310/00359	. . Bone or bony tissue
2310/00083	. . . . Zinc or Zn-based alloys	2310/00365	. . Proteins; Polypeptides; Degradation products thereof
2310/00089	. . . . Zirconium or Zr-based alloys	2310/00371	. . . Collagen
2310/00095	. . . . Niobium or Nb-based alloys	2310/00377	. . . Fibrin
2310/00101	. . . . Molybdenum or Mo-based alloys	2310/00383	. . . Gelatin
2310/00107	. . . . Palladium or Pd-based alloys	2310/00389	. The prosthesis being coated or covered with a particular material
2310/00113	. . . . Silver or Ag-based alloys	2310/00395	. . Coating or prosthesis-covering structure made of metals or of alloys
2310/00119	. . . . Tin or Sn-based alloys	2310/00401	. . . Coating made of iron, of stainless steel or of other Fe-based alloys
2310/00125	. . . . Hafnium or Hf-based alloys	2310/00407	. . . Coating made of titanium or of Ti-based alloys
2310/00131	. . . . Tantalum or Ta-based alloys	2310/00413	. . . Coating made of cobalt or of Co-based alloys
2310/00137	. . . . Tungsten or W-based alloys	2310/00419	. . . Other metals
2310/00143	. . . . Iridium or Ir-based alloys	2310/00425	. . . . Coating made of magnesium or of Mg-based alloys
2310/00149	. . . . Platinum or Pt-based alloys	2310/00431	. . . . Coating made of aluminium or of Al-based alloys
2310/00155	. . . . Gold or Au-based alloys	2310/00437	. . . . Coating made of silicon or Si-based alloys
2310/00161	. . Carbon; Graphite	2310/00443	. . . . Coating made of vanadium or of V-based alloys
		2310/00449	. . . . Coating made of chromium or Cr-based alloys
		2310/00455	. . . . Coating made of manganese Mn-based alloys
		2310/00461	. . . . Coating made of nickel or Ni-based alloys
		2310/00467	. . . . Coating made of copper or Cu-based alloys

2310/00473	Coating made of zinc or Zn-based alloys	2310/0073 . . .	Coating or prosthesis-covering structure made of compounds based on metal carbides
2310/00479	Coating made of germanium or Ge-based alloys	2310/00736	Coating made of boron carbide
2310/00485	Coating made of zirconium or Zr-based alloys	2310/00742	Coating made of silicon carbide
2310/00491	Coating made of niobium or Nb-based alloys	2310/00748	Coating made of titanium carbide
2310/00497	Coating made of molybdenum or Mo-based alloys	2310/00754	Coating made of chromium carbide
2310/00502	Coating made of ruthenium or Ru-based alloys	2310/0076	Coating made of nickel carbide
2310/00508	Coating made of rhodium or Rh-based alloys	2310/00766	Coating made of zirconium carbide
2310/00514	Coating made of palladium or Pd-based alloys	2310/00772	Coating made of niobium carbide
2310/0052	Coating made of silver or Ag-based alloys	2310/00778	Coating made of hafnium carbide
2310/00526	Coating made of indium or In-based alloys	2310/00784	Coating made of tantalum carbide
2310/00532	Coating made of tin or Sn-based alloys	2310/0079	Coating made of tungsten carbide
2310/00538	Coating made of hafnium or Hf-based alloys	2310/00796	Coating or prosthesis-covering structure made of a phosphorus-containing compound, e.g. hydroxy(l)apatite
2310/00544	Coating made of tantalum or Ta-based alloys	2310/00802	Coating or prosthesis-covering structure made of compounds based on metal hydrides
2310/0055	Coating made of tungsten or W-based alloys	2310/00808	Coating made of titanium hydride
2310/00556	Coating made of iridium or Ir-based alloys	2310/00814	Coating made of vanadium hydride
2310/00562	Coating made of platinum or Pt-based alloys	2310/0082	Coating made of chromium hydride
2310/00568	Coating made of gold or Au-based alloys	2310/00826	Coating made of zirconium hydride
2310/00574 . . .	Coating or prosthesis-covering structure made of carbon, e.g. of pyrocarbon	2310/00832	Coating made of niobium hydride
2310/0058	Coating made of diamond or of diamond-like carbon DLC	2310/00838	Coating made of hafnium hydride
2310/00586	Coating made of graphite	2310/00844	Coating made of tantalum hydride
2310/00592 . . .	Coating or prosthesis-covering structure made of ceramics or of ceramic-like compounds	2310/0085	Coating or prosthesis-covering structure made of compounds based on metal chlorides
2310/00598	Coating or prosthesis-covering structure made of compounds based on metal oxides or hydroxides	2310/00856	Coating or prosthesis-covering structure made of compounds based on metal nitrides
2310/00604	Coating made of aluminium oxide or hydroxides	2310/00862	Coating made of boron nitride
2310/0061	Coating made of silicon oxide or hydroxides	2310/00868	Coating made of aluminium nitride
2310/00616	Coating made of titanium oxide or hydroxides	2310/00874	Coating made of silicon nitride
2310/00622	Coating made of chromium oxide or hydroxides	2310/0088	Coating made of titanium nitride
2310/00628	Coating made of cobalt oxide or hydroxides	2310/00886	Coating made of chromium nitride
2310/00634	Coating made of zirconium oxide or hydroxides	2310/00892	Coating made of zirconium nitride
2310/0064	Coating made of niobium oxide or hydroxides	2310/00898	Coating made of niobium nitride
2310/00646	Coating made of molybdenum oxide or hydroxides	2310/00904	Coating made of hafnium nitride
2310/00652	Coating made of hafnium oxide or hydroxides	2310/0091	Coating made of tantalum nitride
2310/00658	Coating made of tantalum oxide or hydroxides	2310/00916	Coating or prosthesis-covering structure made of compounds based on metal sulfides
2310/00664	Coating made of tungsten oxide or hydroxides	2310/00922	Coating made of molybdenum sulfide
2310/0067	Coating or prosthesis-covering structure made of compounds based on metal borides	2310/00928	Coating or prosthesis-covering structure made of glass or of glass-containing compounds, e.g. of bioglass
2310/00676	Coating made of aluminium boride	2310/00934	Coating made of enamel
2310/00682	Coating made of titanium boride	2310/0094	Coating made of porcelain
2310/00688	Coating made of vanadium boride	2310/00946	Coating or prosthesis-covering structure made of nacre or mother-of-pearl
2310/00694	Coating made of chromium boride	2310/00952	Coating, pre-coating or prosthesis-covering structure made of bone cement, e.g. pre-applied PMMA cement mantle
2310/007	Coating made of cobalt boride	2310/00958	Coating or prosthesis-covering structure made of bone or of bony tissue
2310/00706	Coating made of zirconium boride	2310/00964	Coating or prosthesis-covering structure made of cartilage
2310/00712	Coating made of molybdenum boride	2310/0097	Coating or prosthesis-covering structure made of pharmaceutical products, e.g. antibiotics
2310/00718	Coating made of lanthanum boride	2310/00976	Coating or prosthesis-covering structure made of proteins or of polypeptides, e.g. of bone morphogenic proteins BMP or of transforming growth factors TGF
2310/00724	Coating made of tungsten boride	2310/00982	Coating made of collagen
		2310/00988	Coating made of fibrin
		2310/00994	Coating made of gelatin