1	PROCESS DISINFECTING, PRESERVING,	26	.Using direct contact steam to
_	DEODORIZING, OR STERILIZING		disinfect or sterilize
2	Step of warning or decreasing hazard of process	27	And additional disinfecting or sterilizing agent
3	Process control in response to	28	.Using disinfecting or
J	analysis		sterilizing substance
4	.A gas is substance acted upon	29	In situ generation of agent
5	.Deodorizing		other than aldehyde or glycol
6	.Affecting structure, article,	30	And removing the agent by
O	etc., submerged in marine		chemical reaction or sorption
	environment	31	And recovering or reusing the
7	.Maintaining environment		agent
	nondestructive to metal	32	Treating bulk material
8	Using protective article (e.g.,	33	With positive pressure or
	antitarnish fabric, etc.)		vacuum
9	Using gaseous preservative,	34	Using alkylene oxide
	preservative added to gaseous	35	Using cyanide
	phase of environment, or	36	Using aldehyde
	maintaining gaseous phase	37	Using halogen or halogen-
	nondestructive		containing compound
10	Manipulating gaseous	38	.Using fluent heat transfer
	environment for preservative		medium other than air
	purpose	39	.By sudden release of pressure
11	Steam environment	40	.Process of storage or protection
12	Aqueous acid environment	41	Of liquid
	(i.e.,pH less than or equal to	42	By preventing evaporation
4.0	4.1)	43	Of water
13	Aqueous alkali environment	44	DIOOD MDEAMING DEVICE EOD
13	_	44	BLOOD TREATING DEVICE FOR
13	(i.e., pH greater than or		TRANSFUSIBLE BLOOD
	(i.e., pH greater than or equal to 8.4)	45	TRANSFUSIBLE BLOOD .Oxygenator
14	<pre>(i.e., pH greater than or equal to 8.4) Essentially pure water</pre>		TRANSFUSIBLE BLOOD .OxygenatorIncluding integral heat-
14	<ul><li>(i.e., pH greater than or equal to 8.4)</li><li>Essentially pure water environment</li></ul>	45 46	TRANSFUSIBLE BLOOD  Oxygenator  Including integral heat- exchange means
	<ul><li>(i.e., pH greater than or equal to 8.4)</li><li>Essentially pure water environment</li><li>Using organic compound having</li></ul>	45 46 47	TRANSFUSIBLE BLOOD  Oxygenator  Including integral heatexchange means  Bubble or foam producing
14 15	<ul><li>(i.e., pH greater than or equal to 8.4)</li><li>Essentially pure water environment</li><li>Using organic compound having phosphorus</li></ul>	45 46 47 48	TRANSFUSIBLE BLOOD  Oxygenator  Including integral heatexchange means  Bubble or foam producing  Membrane
14	<ul><li>(i.e., pH greater than or equal to 8.4)</li><li>Essentially pure water environment</li><li>Using organic compound having phosphorus</li><li>Using organic nitrogen</li></ul>	45 46 47	TRANSFUSIBLE BLOOD  Oxygenator  Including integral heatexchange means  Bubble or foam producing  Membrane  INCLUDING MEANS FACILITATING PART
14 15	<ul> <li>(i.e., pH greater than or equal to 8.4)</li> <li>Essentially pure water environment</li> <li>Using organic compound having phosphorus</li> <li>Using organic nitrogen compound other than ammonium</li> </ul>	45 46 47 48	TRANSFUSIBLE BLOOD  Oxygenator  Including integral heatexchange means  Bubble or foam producing  Membrane  INCLUDING MEANS FACILITATING PART  REPLACEMENT OR REPAIR OTHER
14 15 16	<ul> <li>(i.e., pH greater than or equal to 8.4)</li> <li>Essentially pure water environment</li> <li>Using organic compound having phosphorus</li> <li>Using organic nitrogen compound other than ammonium salt</li> </ul>	45 46 47 48	TRANSFUSIBLE BLOOD  Oxygenator  Including integral heatexchange means  Bubble or foam producing  Membrane  INCLUDING MEANS FACILITATING PART REPLACEMENT OR REPAIR OTHER THAN SOLID, EXTENDED SURFACE,
14 15	(i.e., pH greater than or equal to 8.4) Essentially pure water environment Using organic compound having phosphorus Using organic nitrogen compound other than ammonium salt Using organic carboxylic acid	45 46 47 48 49	TRANSFUSIBLE BLOOD  Oxygenator  Including integral heatexchange means  Bubble or foam producing  Membrane  INCLUDING MEANS FACILITATING PART REPLACEMENT OR REPAIR OTHER THAN SOLID, EXTENDED SURFACE, FLUID CONTACT MEANS
14 15 16	(i.e., pH greater than or equal to 8.4) Essentially pure water environment Using organic compound having phosphorus Using organic nitrogen compound other than ammonium salt Using organic carboxylic acid or salt thereof	45 46 47 48	TRANSFUSIBLE BLOOD  Oxygenator  Including integral heatexchange means  Bubble or foam producing  Membrane  INCLUDING MEANS FACILITATING PART REPLACEMENT OR REPAIR OTHER THAN SOLID, EXTENDED SURFACE, FLUID CONTACT MEANS  ANALYZER, STRUCTURED INDICATOR,
14 15 16	(i.e., pH greater than or equal to 8.4) Essentially pure water environment Using organic compound having phosphorus Using organic nitrogen compound other than ammonium salt Using organic carboxylic acid or salt thereof Using inorganic silicon or	45 46 47 48 49	TRANSFUSIBLE BLOOD  Oxygenator  Including integral heatexchange means  Bubble or foam producing  Membrane  INCLUDING MEANS FACILITATING PART REPLACEMENT OR REPAIR OTHER  THAN SOLID, EXTENDED SURFACE,  FLUID CONTACT MEANS  ANALYZER, STRUCTURED INDICATOR,  OR MANIPULATIVE LABORATORY
14 15 16	<ul> <li>(i.e., pH greater than or equal to 8.4)</li> <li>Essentially pure water environment</li> <li>Using organic compound having phosphorus</li> <li>Using organic nitrogen compound other than ammonium salt</li> <li>Using organic carboxylic acid or salt thereof</li> <li>Using inorganic silicon or phosphorus compound</li> </ul>	45 46 47 48 49	TRANSFUSIBLE BLOOD  Oxygenator  Including integral heatexchange means  Bubble or foam producing  Membrane  INCLUDING MEANS FACILITATING PART REPLACEMENT OR REPAIR OTHER THAN SOLID, EXTENDED SURFACE, FLUID CONTACT MEANS  ANALYZER, STRUCTURED INDICATOR, OR MANIPULATIVE LABORATORY DEVICE
14 15 16 17 18	(i.e., pH greater than or equal to 8.4) Essentially pure water environment Using organic compound having phosphorus Using organic nitrogen compound other than ammonium salt Using organic carboxylic acid or salt thereof Using inorganic silicon or	45 46 47 48 49	TRANSFUSIBLE BLOOD  Oxygenator  Including integral heatexchange means  Bubble or foam producing  Membrane  INCLUDING MEANS FACILITATING PART REPLACEMENT OR REPAIR OTHER THAN SOLID, EXTENDED SURFACE, FLUID CONTACT MEANS  ANALYZER, STRUCTURED INDICATOR, OR MANIPULATIVE LABORATORY DEVICE  Calorimeter
14 15 16 17 18	(i.e., pH greater than or equal to 8.4) Essentially pure water environment Using organic compound having phosphorus Using organic nitrogen compound other than ammonium salt Using organic carboxylic acid or salt thereof Using inorganic silicon or phosphorus compound Using heavy metal or compound	45 46 47 48 49 50 51 52	TRANSFUSIBLE BLOOD  Oxygenator  Including integral heatexchange means  Bubble or foam producing  Membrane  INCLUDING MEANS FACILITATING PART REPLACEMENT OR REPAIR OTHER THAN SOLID, EXTENDED SURFACE, FLUID CONTACT MEANS  ANALYZER, STRUCTURED INDICATOR, OR MANIPULATIVE LABORATORY DEVICE
14 15 16 17 18 19	(i.e., pH greater than or equal to 8.4) Essentially pure water environment Using organic compound having phosphorus Using organic nitrogen compound other than ammonium salt Using organic carboxylic acid or salt thereof Using inorganic silicon or phosphorus compound Using heavy metal or compound thereof	45 46 47 48 49 50	TRANSFUSIBLE BLOOD  Oxygenator  Including integral heatexchange means  Bubble or foam producing  Membrane  INCLUDING MEANS FACILITATING PART REPLACEMENT OR REPAIR OTHER THAN SOLID, EXTENDED SURFACE, FLUID CONTACT MEANS  ANALYZER, STRUCTURED INDICATOR, OR MANIPULATIVE LABORATORY DEVICE  Calorimeter  Chemiluminescent
14 15 16 17 18 19	(i.e., pH greater than or equal to 8.4) Essentially pure water environment Using organic compound having phosphorus Using organic nitrogen compound other than ammonium salt Using organic carboxylic acid or salt thereof Using inorganic silicon or phosphorus compound Using heavy metal or compound thereof Using sonic or ultrasonic energy	45 46 47 48 49 50 51 52 53	TRANSFUSIBLE BLOOD  Oxygenator  .Including integral heatexchange means  .Bubble or foam producing  .Membrane  INCLUDING MEANS FACILITATING PART REPLACEMENT OR REPAIR OTHER THAN SOLID, EXTENDED SURFACE, FLUID CONTACT MEANS  ANALYZER, STRUCTURED INDICATOR, OR MANIPULATIVE LABORATORY DEVICE  .Calorimeter  .Chemiluminescent  .Corrosion tester  .Flame ionization detector
14 15 16 17 18 19 20 21	(i.e., pH greater than or equal to 8.4) Essentially pure water environment Using organic compound having phosphorus Using organic nitrogen compound other than ammonium salt Using organic carboxylic acid or salt thereof Using inorganic silicon or phosphorus compound Using heavy metal or compound thereof  .Using sonic or ultrasonic energy  .Using microwave energy	45 46 47 48 49 50 51 52 53 54	TRANSFUSIBLE BLOOD  Oxygenator  .Including integral heatexchange means .Bubble or foam producing .Membrane  INCLUDING MEANS FACILITATING PART REPLACEMENT OR REPAIR OTHER THAN SOLID, EXTENDED SURFACE, FLUID CONTACT MEANS  ANALYZER, STRUCTURED INDICATOR, OR MANIPULATIVE LABORATORY DEVICE  .Calorimeter .Chemiluminescent .Corrosion tester .Flame ionization detector .Structured visual or optical
14 15 16 17 18 19 20 21	(i.e., pH greater than or equal to 8.4) Essentially pure water environment Using organic compound having phosphorus Using organic nitrogen compound other than ammonium salt Using organic carboxylic acid or salt thereof Using inorganic silicon or phosphorus compound Using heavy metal or compound thereof Using sonic or ultrasonic energy Using microwave energy Using direct contact with	45 46 47 48 49 50 51 52 53 54	TRANSFUSIBLE BLOOD  Oxygenator  .Including integral heatexchange means  .Bubble or foam producing  .Membrane  INCLUDING MEANS FACILITATING PART REPLACEMENT OR REPAIR OTHER THAN SOLID, EXTENDED SURFACE, FLUID CONTACT MEANS  ANALYZER, STRUCTURED INDICATOR, OR MANIPULATIVE LABORATORY DEVICE  .Calorimeter  .Chemiluminescent  .Corrosion tester  .Flame ionization detector
14 15 16 17 18 19 20 21	(i.e., pH greater than or equal to 8.4) Essentially pure water environment Using organic compound having phosphorus Using organic nitrogen compound other than ammonium salt Using organic carboxylic acid or salt thereof Using inorganic silicon or phosphorus compound Using heavy metal or compound thereof  .Using sonic or ultrasonic energy  .Using direct contact with electrical or electromagnetic	45 46 47 48 49 50 51 52 53 54 400	TRANSFUSIBLE BLOOD  Oxygenator  .Including integral heatexchange means .Bubble or foam producing .Membrane  INCLUDING MEANS FACILITATING PART REPLACEMENT OR REPAIR OTHER THAN SOLID, EXTENDED SURFACE, FLUID CONTACT MEANS  ANALYZER, STRUCTURED INDICATOR, OR MANIPULATIVE LABORATORY DEVICE  .Calorimeter .Chemiluminescent .Corrosion tester .Flame ionization detector .Structured visual or optical indicator, per se
14 15 16 17 18 19 20 21 22	(i.e., pH greater than or equal to 8.4) Essentially pure water environment Using organic compound having phosphorus Using organic nitrogen compound other than ammonium salt Using organic carboxylic acid or salt thereof Using inorganic silicon or phosphorus compound Using heavy metal or compound thereof  .Using sonic or ultrasonic energy  .Using microwave energy  .Using direct contact with electrical or electromagnetic radiation	45 46 47 48 49 50 51 52 53 54 400 401	TRANSFUSIBLE BLOOD  Oxygenator  .Including integral heatexchange means  .Bubble or foam producing  .Membrane  INCLUDING MEANS FACILITATING PART REPLACEMENT OR REPAIR OTHER THAN SOLID, EXTENDED SURFACE, FLUID CONTACT MEANS  ANALYZER, STRUCTURED INDICATOR, OR MANIPULATIVE LABORATORY DEVICE  .Calorimeter  .Chemiluminescent .Corrosion tester .Flame ionization detector .Structured visual or optical indicator, per se  .In a holder or container
14 15 16 17 18 19 20 21 22	(i.e., pH greater than or equal to 8.4) Essentially pure water environment Using organic compound having phosphorus Using organic nitrogen compound other than ammonium salt Using organic carboxylic acid or salt thereof Using inorganic silicon or phosphorus compound Using heavy metal or compound thereof  .Using sonic or ultrasonic energy  .Using microwave energy  .Using direct contact with electrical or electromagnetic radiation In atmosphere other than air	45 46 47 48 49 50 51 52 53 54 400 401	TRANSFUSIBLE BLOOD  Oxygenator  .Including integral heatexchange means .Bubble or foam producing .Membrane  INCLUDING MEANS FACILITATING PART REPLACEMENT OR REPAIR OTHER THAN SOLID, EXTENDED SURFACE, FLUID CONTACT MEANS  ANALYZER, STRUCTURED INDICATOR, OR MANIPULATIVE LABORATORY DEVICE .Calorimeter .Chemiluminescent .Corrosion tester .Flame ionization detector .Structured visual or optical indicator, per se .In a holder or containerStructure to facilitate
14 15 16 17 18 19 20 21 22 23 24	(i.e., pH greater than or equal to 8.4) Essentially pure water environment Using organic compound having phosphorus Using organic nitrogen compound other than ammonium salt Using organic carboxylic acid or salt thereof Using inorganic silicon or phosphorus compound Using heavy metal or compound thereof  .Using sonic or ultrasonic energy .Using microwave energy .Using direct contact with electrical or electromagnetic radiation In atmosphere other than air Ultraviolet .Including additional step of preventing damage to sealed	45 46 47 48 49 50 51 52 53 54 400 401 402	TRANSFUSIBLE BLOOD  Oxygenator  .Including integral heatexchange means .Bubble or foam producing .Membrane  INCLUDING MEANS FACILITATING PART REPLACEMENT OR REPAIR OTHER THAN SOLID, EXTENDED SURFACE, FLUID CONTACT MEANS  ANALYZER, STRUCTURED INDICATOR, OR MANIPULATIVE LABORATORY DEVICE  .Calorimeter .Chemiluminescent .Corrosion tester .Flame ionization detector .Structured visual or optical indicator, per seIn a holder or containerStructure to facilitate analysis of the results
14 15 16 17 18 19 20 21 22 23 24	(i.e., pH greater than or equal to 8.4) Essentially pure water environment Using organic compound having phosphorus Using organic nitrogen compound other than ammonium salt Using organic carboxylic acid or salt thereof Using inorganic silicon or phosphorus compound Using heavy metal or compound thereof  .Using sonic or ultrasonic energy .Using microwave energy .Using direct contact with electrical or electromagnetic radiation In atmosphere other than air Ultraviolet .Including additional step of	45 46 47 48 49 50 51 52 53 54 400 401 402 403	TRANSFUSIBLE BLOOD  Oxygenator  .Including integral heatexchange means .Bubble or foam producing .Membrane  INCLUDING MEANS FACILITATING PART REPLACEMENT OR REPAIR OTHER THAN SOLID, EXTENDED SURFACE, FLUID CONTACT MEANS  ANALYZER, STRUCTURED INDICATOR, OR MANIPULATIVE LABORATORY DEVICE  .Calorimeter .Chemiluminescent .Corrosion tester .Flame ionization detector .Structured visual or optical indicator, per seIn a holder or containerStructure to facilitate analysis of the resultsRead by automated means

# 422 - 2 $\,$ CLASS 422 CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING

40E	Markey large	72	Mile accompany for
405	Tubular	73	With coagulometer for
406	Including a swab		agglutination, clotting, or
407	Well plate		prothrombin, or for particle
408	Structure for contacting the		(e.g., cell, etc.) counting,
	sample with the reagent		or volume or characteristics
409	Envelope, packet or sleeve	7.4	determination
	(e.g., for fecal occult	74	Dairy tester
	<pre>sample, etc.)</pre>	75	Including titrator
410	Lancet (e.g., for finger	76	Conductiometric type
	prick, etc.)	77	With integrating or
411	Swab		differentiating means
412	Device using capillary action	78	Including means for pyrolysis,
413	Device having frangible		combustion, or oxidation
	compartment	79	Biological, chemical, or total
414	Device having torturous path		oxygen demand (i.e., BOD, COD,
415	Including centrifuge		TOD)
416	Including means for	80	And means directly analyzing
410	facilitating reaction of a		evolved gas
	gaseous fluid	81	Automated system with sample
117		01	fluid pressure transport means
417	Including channel, valve or	82	And means segmenting fluid
44.0	chamber	02	material
418	Wiping means to acquire solid	82.01	
	test substance		Measuring electrical property
419	Acquisition of liquid sample	82.02	Resistance or conductivity
420	Having reagent in absorbent or	82.03	Ion selective electrode
	bibulous substrate	82.04	Dissolved gas
421	Plural layers	82.05	Measuring optical property by
422	Filtering		using ultraviolet, infrared,
423	Spreading		or visible light
424	Support layer	82.06	Optode or optrode
425	Having coated reagent	82.07	Fluorescence
426	Plural layers	82.08	Fluorescence
427	Filtering layer	82.09	Absorbance or transmittance
428	Spreading layer	82.11	Waveguides
429	Support layer	82.12	Measuring temperature
430	.Test package or kit	82.13	Measuring pressure
62		83	.Means for analyzing gas sample
02	.Automatic analytical monitor and	84	Breath tester
<i>C</i> 2	control of industrial process	85	Based on color change
63	Sample mechanical transport	86	Including means reacting gas
	means in or for automated	00	with color indicator
	analytical system	0.7	
64	Means is turntable (circular)	87	Strip indicator
65	Means is conveyor and rack	88	Including means for adsorbing
66	Means is moving tape or band		or absorbing gas into or onto
67	With specific analytical		liquid or solid media
	program control means	89	Gas chromatography
68.1	.Means for analyzing liquid or	90	With conductiometric detector
	solid sample	91	With photometric detector
69	Sorption testing	92	With volumetric detector
70	Liquid chromatography		
71	With radioactive material		
72	Including centrifuge		
	5		

93	Including means dividing sample	529	Operated at ambient
	stream into plural parallel		temperature
	segments having diverse	530	Heated
	treating means and the	531	Condenser
	analytical result compared or	532	Cooling means
	combined	533	Gravity or centrifuge
94	Combustible gas detector		separation
95	With thermoelectric detector	534	Filter
96	Wheatstone bridge	535	Porous media
97	With specific coating on		
57	bridge element	536	Tissue processing device
98	_	537	Valve
90	Analysis based on electrical	538	Including connector
F 0 0	measurement	539	With multiple discrete
500	.Miscellaneous laboratory		settings
	apparatus and elements, per se	540	Stator and rotor, petcock/
501	Volumetric fluid transfer		stopcock, or slider
	means, e.g., pipette,	541	Check
	pipettor, etc.)	542	Ball or seat
502	Micro-fluidic device	543	Gas
503	Plate design or structure	544	Connector
504	Liquid moving means	545	
505	Pump	343	Terminal end threaded or
506	Centrifugal force	<b>546</b>	tapered
507	Capillary action	546	For needle, syringe, or
508			capillary tube
	Spray tip	547	Container
509	Automated system	548	Used with centrifuge equipment
510	Including washing means	549	Tube shaped vessel
511	Including tip attachment or	550	Including closure or sealing
	removal		mechanism
512	Including seal penetration	551	Plate, sheet, dish or tray
	means	552	Including a plurality of
513	Including filter	332	wells or receptacles
514	Mixing of diverse substances	553	
	within pipette		Microtitration plate
515	Sequential multidispensing	554	Cartridge, cassette or cuvette
313	from a single tip	555	Bag type containers
516		556	Flask, bottle or beaker
	Variable volume	557	Cup or crucible
517	Including liquid level sensor	558	Vial or ampoule
518	Electrically operated	559	Including multiple internal
519	Interaction of dispensing tip		compartments or baffles
	with surface upon which fluid	560	Holder
	is dispensed	561	For sample or specimen
520	Drawing of liquid into pipette		container
	by capillary action	562	For tube
521	Dispensing means	563	For slide
522	Pressure		
523	Gravity	564	For burette, pipette, or
524	Tip		pipette tip
525	Removable	565	Housing
		566	Support
526	Including storage rack	567	Hood
505	therefore	568	Stopper, cover, plug, or seal
527	Including means for separating	569	Covering multiple containers
	a constituent (e.g.,		or wells
	extraction, etc.)		
528	Evaporator		

# 422 - 4 CLASS 422 CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING

570	Penetrable cover (e.g.,	128	.Including supersonic or
	septum, etc.)		ultrasonic energy generation
105	CONTROL ELEMENT RESPONSIVE TO A		means
	SENSED OPERATING CONDITION	129	CHEMICAL REACTOR
106	.Responsive to liquid level	129.1	.Soap making
107	.Control element directly	130	.Bench scale
	mechanically linked to	131	.Organic polymerization
	separate sensor	132	Closed loop
108	.Control element responds	133	Generating foamed plastic
	proportionally to a variable	134	Including plural sequential
	signal from a sensor		reaction stages
109	Controls heat transfer	135	Including reactant agitating
110	Controls flow rate of a		means in reaction chamber
	material to or from a contact zone	136	And means rotatably mounting reaction chamber
111	Material is an input to	137	Horizontal reaction chamber
	contact zone		with screw or worm agitator
112	.Control element is fluid	138	With heat exchanger for
	pressure sensitive		reaction chamber or reactants
113	Pressure-relief valve (e.g.,		located therein
	pop-off valve) or check valve	139	.Fluidized bed
114	.Control element is a binary	140	With liquid present
	responsive valve	141	Plural reaction beds
115	Valve diverts flow from a	142	Sequentially arranged
	contact zone	143	Including specific wind box or
116	.Sensed condition is operating		particulate matter support
	time and control is operation		grid
	sequencer	144	Including means to strip
117	WITH SAFETY FEATURE		reaction mass from, or to
118	.Preventing opening of closure of		regenerate, the particulate
	pressurized apparatus at		matter (including fluidized
	unsafe pressure		bed regenerators, per se)
119	WITH INDICATING, SIGNALLING,	145	And means providing flow of
	RECORDING, SAMPLING, OR		particulate matter into or out
	INSPECTION MEANS		of reaction chamber
120	FOR DEODORIZING OF, OR CHEMICAL	146	With heat exchange means
	PURIFICATION OF, OR GENERATION		affecting reaction chamber or
	OF, LIFE-SUSTAINING		reactants located therein
	ENVIRONMENTAL GAS	147	And means mechanically
121	.With means exposing gas to		separating and removing
	electromagnetic wave energy or		particulate bed material from
100	corpuscular radiation		fluid effluent
122	.Including solid, extended	148	.Ammonia synthesizer
	surface, fluid contact	149	.With means simultaneously
	reaction means (e.g., Raschig		carrying out conjugated
	rings, particulate or		reactions within single
100	monolithic catalyst, etc.)	1.50	reactor
123	.Including means adding material into environmental gas	150	.Pigment or carbon black producer
124		151	. With means injecting quench
124	And mechanical means creating forced draft at addition site		stream into reaction chamber
105		150	downstream of reaction site
125 126	With material-heating means	152	With particulate product
126 127	Material is combusted		collecting surface and means
14/	SHOCK OR SOUND WAVE		mechanically removing product therefrom

153	Moving collecting surface	178	And contact regenerating means
154	Rotary collecting surface		or means for cleaning an
155	Disk or plate		internal surface of the
156	With plural sequential reaction zones or chambers	179	reaction chamberFixed bed with resilient or
157	With movably or removably		differential thermal expansion
20,	mounted plug means for		compensating bed support means
	converting reactor from (N) to	180	Unitary (i.e., nonparticulate)
	(N+1) reaction stages		contact bed (e.g., monolithic
158	Vapor phase reaction type		catalyst bed, etc.)
159	.For radioactive reactant or	181	Fixed annularly shaped bed of
	product		contact material and means
160	.Inorganic sulfur acid or		directing gas therethrough
	anhydride producing type		substantially perpendicular to
161	Acid is final product	100	longitudinal axis of bed
162	.Inorganic hydrator	182	Including means injecting
163	.Explosives synthesizer		combustion fuel into reaction chamber in direct contact with
164	.Solid reactant type (i.e.,		waste gas
	absence of fluid reactants)	183	And means mixing combustion
165	Including ignition means for	103	fuel with waste gas upstream
4.5.5	reactant		of reaction site
166	Electrically actuated	184.1	.For chemically destroying or
167	Including reactor cooling means		disintegrating solid waste,
1.00	surrounding reactor		other than burning alone
168	.Waste gas purifier	185	.For chemical recovery of
169	Including means providing		chemicals from waste paper
170	sequential purification stagesPlural chemical reaction		making liquor
170	stages	186	.With means applying
171	Solid, extended surface,		electromagnetic wave energy or
	fluid contact type		corpuscular radiation to
172	And means downstream of a		reactants for initiating or perfecting chemical reaction
	stage for injecting a reactant	186.01	Magnetic
	into waste gas for	186.02	Object protection
	interreaction in subsequent	186.03	With electrical discharge
	stage	186.04	Electrostatic field or
173	With heat exchanger for	100.01	electrical discharge
	reaction chamber or reactants	186.05	Treating surface of solid
1 7 /	located therein		substrate
174	Electrical type	186.06	Surface is metal
175 176	Regenerative heat sink	186.07	Ozonizers
176	Including waste gas flow distributor upstream of	186.08	With preparatory or product-
	reaction site and within		treating means
	reaction chamber modifying	186.09	With drying means
	velocity profile of gas	186.1	With filtering or particle
177	Including solid, extended		removal means
	surface, fluid contact	186.11	With cooling, compression,
	reaction means; e.g., inert		condensation, or liquefying
	Raschig rings, particulate	106 10	means
	absorbent, particulate or	186.12	With subsequent use means
	monolithic catalyst, etc.	186.13 186.14	With electrode moving meansWith fluent reactant flow
		100.14	control means
			COLLET OF WEATER

# 422 - 6 CLASS 422 CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING

186.15	With current control or	618	Including product separation or purification means
	special electrical supply means	619	Combined with contact material
186.16	With pulse generating means		regenerating means (e.g.,
186.18	Cylindrical electrode		regenerating catalyst, etc.)
186.19	With heating or cooling	620	Combined with recycling means
100113	means		(e.g., recycling products,
186.2	With heating or cooling means		reactants, etc.)
186.21	Arc or spark discharge means	621	Including reaction heat
		021	recovery or recycling
186.22	With electrode or reaction	622	
106.00	space heating or cooling means	022	Including external recycle
186.23	With preparatory or product-	602	loop
	treating means	623	Including a boiler
186.24	With nitrogen fixation means	624	Including a mechanical means
186.25	With cooling or pressurizing		for transportation of material
	means		(e.g., conveyor, turntable,
186.26	With electrode moving means		truck, etc.)
186.27	With current control means	625	Including reformer reactor
186.28	With current control means	626	Including water gas shift
186.29	With RF input means		reaction
186.3	With ultraviolet radiation	627	Combined with selective or
	generating means		preferential oxidation reactor
187	.Combined	628	Autothermal
600	.Including plural reaction stages	629	Steam reformer
601	Including plural parallel	630	Discrete sequential reaction
001			stages
	reaction stages with each	631	Plural solid, extended
600	stage in the form of a plate	031	surface, fluid contact
602	Plate-type laminated reactor		reaction stages (e.g., inert
603	Microscale reactor		Raschig rings, particulate
604	With gas contact means for		sorbent, particulate or
	degassing or agitating (e.g.,		monolithic catalyst, etc.)
	sparging, etc.)	632	With down-flow fixed bed
605	With draft tube	633	Including a unitary,
606	With multiphase mixing means	033	
607	With distributor or collection	62.4	monolithic catalyst bed
	tray	634	With metal catalyst (e.g.,
608	With separation or purification	62.5	metal oxide, etc.)
	means (e.g., rectification,	635	Including random inert
	evaporation, ion exchanger,		packing (e.g., Raschig rings,
	extraction, settler,		balls, saddle rings, etc.)
	absorption, recrystallization,	636	At least one reaction stage
	etc.)		formed of a fixed, annularly
609	Stripper tower		shaped bed of contact material
610	Distillation means (e.g.,	637	With means for directing
	retort, etc.)		reaction stream therethrough
611	Scrubbing		substantially perpendicular to
612	Absorption		the longitudinal axis of the
613	Cyclone separator		bed
614	Condenser	638	Superimposed reaction stages
615	Condenser downstream of a		in single reaction chamber
010		639	Wherein at least one reaction
616	heat exchanging means		stage is upstream or
616	Filtering means		downstream of parallel stages
617	Membrane separation (e.g.,		(e.g., AA-B, etc.)
	palladium membrane hydrogen		
	purifier, etc.)		

640	With parallel repeat of a sequence of reaction stages (e.g., AB-AB, etc.)	200	Indirect heat-exchange tube within reaction chamber with a nonreactant heat-exchange
641	With each stage in the form of a reaction tube	201	fluid passing therethrough Tube and shell type
642	Wherein the reaction stages are the same	202	Heat-exchange jacket surrounding reaction chamber
643	Including thermal combustion means	203	Including fluid-transfer means connecting chamber to heat-
644	Reaction stages located within single reaction chamber	204	exchange jacketMeans associated with jacket
645	With baffle (i.e., deflector plate)		providing combustion gas as heat-exchange medium
646	With heating or cooling means	205	Including baffle or stirring
647	And means downstream of a stage for internally injecting a reactant into a reaction stream for reaction in a		means disposed within jacket or chamber, the baffle means within chamber connected directly to wall thereof
	subsequent stage, or injecting	206	Regenerative heat sink
	an internal quench stream into	207	Means injecting internal quench
	a reaction stream passing between stages		stream into reaction stream downstream of reaction stage
648	Means within reaction chamber for redistributing reaction	208	Apparatus operates at positive pressure
	stream as it passes between	209	.Including means rotating
	adjacent stages		reaction chamber during use
649	With the provision of heating	210	And means wiping or scraping
	or cooling means	210	interior surface of reaction
650	. Including plural parallel		chamber
	reaction stages with each stage in the form of a	211	.Including solid, extended surface, fluid contact
651	reaction tubeTubular stages in a single reaction chamber		reaction means; e.g., inert Raschig rings, particulate
650			absorbent, particulate or
652	Reaction tubes filled with	040	monolithic catalyst, etc.
	catalyst particles	212	With means removing and
653	Reaction tubes containing structured catalyst		recovering product from extended surface contact
654	Reaction tubes having	0.1.0	material
	catalyst coating	213	Particulate contact material
655	Individual supply of reactants for each reaction tube		type and means providing flow of particulate material into or out of reaction chamber
656			with reactants or products
656	With a solid reactant	214	Transfer line type reaction
657	Operating at positive pressure		chamber
658	With tube plate (e.g.,	215	And internal mixing means
	supporting plate)	216	Compact bed of particulate,
659	With heating or cooling means		fluid contact material and
198	.Including heat exchanger for		means providing gravity flow
100	reaction chamber or reactants	217	of material within bedAnd means upstream of extended
199	located thereinElectrical type		surface, fluid contact means removing particulate impurities from reactant stream

# 422 - 8 CLASS 422 CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING

218	Fixed annularly shaped bed of contact material and means	235	And means heating or cooling loop or reaction mass located therein
	directing reactant	236	
	therethrough substantially perpendicular to longitudinal	230	.Including means separating
	axis of bed		reaction chamber into plural
219	And means loading contact		reactant-containing
219	material into, or unloading		compartments and means moving reactant therebetween
	contact material from, reactor	237	Movably mounted container-type
	or means providing internal	237	
	contact material reservoir		separating means and means
220	And reactant flow distributor	238	moving same
220	upstream of contact means and	230	Solid reactant containing
	within reaction chamber		perforated or porous
	modifying velocity profile of		container-type separating
	reactant flow	239	means .Reaction chamber includes at
221	Fixed contact bed type with	239	
221	resilient or differential		<pre>least one perforated, porous, or semipermeable wall and is</pre>
	thermal expansion compensating		adapted for holding solid
	bed support means		reactant
222	Unitary (i.e., nonparticulate)	240	.Including specific material of
	contact bed, (e.g., monolithic	240	construction
	catalyst bed, etc.)	241	Reactor liner
223	With contact material	242	. Positive pressure type
	regenerating means, per se, or	242	PHYSICAL TYPE APPARATUS
	combined with reactor	243	
224	.Including internal mixing or	244	.Including serially disposed
	stirring means		vaporizing heating means (sublimer) and solid material
225	Mechanical type stirring means		deposition means maintained at
226	In positive pressure reactor		a temperature lower than said
227	Including a draft tube for		heating means (condenser)
22,	internal recirculation	245.1	.Crystallizer
228	Including flow directing	250.1	Crucible-free zone refiner
220	baffle attached directly to	251	Including means separating and
	reaction chamber wall	231	conveying crystals to a
229	Longitudinally extending		melting zone
	spiral stirring means	252	Hydraulic classifier with
230	Thermosyphon or differential	232	crystallizer
200	density mixing means; e.g.,	253	Including feed compartment for
	means internally recycling	233	introducing nutrient
	reaction mass via differential	254	Movable crystallizer or
	density pumping, etc.	201	scraping means
231	Gas sparger type mixing means	255	.Means separating or dissolving a
	submerged in liquid reactant	233	material constituent
232	.Including solid reactant and	256	Liquid-liquid contact means
	means charging solids into, or	257	Including pulsator, adjustable
	dischanging solids from,	237	plates, or plural inlets;
	reaction chamber		e.g., spraying, etc.
233	Having both charge and	258	Including rotating chamber or
	discharge means along with		rotating member within
	means conveying solids		chamber; e.g., mixer-settler,
	therebetween located within		etc.
	reaction chamber	259	Having rotating member within
234	.Including external recycle loop		chamber

260	Including heating and cooling means	289	And direct contact heating fluid means within separating
261	Liquid-solid contact means		or dissolving chamber vessel
262	Sulfur extraction	290	And indirect contact heating
263	Including monolithic nonporous body of solute		fluid means in separating or dissolving chamber
264	Including means restricting	291	.Combined
201	solvent contact to one end of	292	.Apparatus for treating solid
265	body of solute	2,2	article or material with fluid chemical
265	Buoyant holder	293	
266	Manual or mountable holder;	293	Fluid having simultaneous diverse function
0.68	e.g., soap holder, etc.	204	
267	Including means to remove	294	Including flexible or collapsible treating chamber
260	solids from a filter	295	Including pressure treating
268	<pre>Conveyor support for solid   material during contact; e.g.,</pre>		chamber (above ambient)
	bucket, etc.	296	Fluid pressure maintains
269	Including rotating member		closure or seal
270	Member is container	297	And rack, support or handling
271	Including internal rotating		means
	member	298	And vaporizer; e.g., boiler,
272	Partitions divide container		etc.
273	Member conveys material into	299	Constituting treating chamber
	and out of container; e.g.,	300	Including rack, support or
	screw propeller, etc.		handling means
274	Including perforated member	301	Apparatus closure operates
	which is nonlinear or inclined		means immersing article or
	with respect to the major axis		material in liquid chemical
	of container	302	For treating container or
275	Including parallel perforated		covers therefor
	members perpendicular to, or	303	Container is inverted
	parallel to, major axis of	304	Including endless conveyor
	container	305	.Including gas generating means
276	Side wall of holder perforated	306	.Including means for adding a
277	Perforations of holder form		material to a gas
	inlet for solvent	307	.Heat treating vessel with
278	Including plural orifice		heating means
	inlet, or deflector adjacent	308	Including multiple stages
	inlet for solvent flow	309	Including comminuting,
279	Having inlet submerged within	303	kneading, or surface-wiping
	body of a solid solute		means interior or vessel
280	Solvent vapor condenser	310	ELEMENTS OR ADJUNCTS
281	Means recirculating solvent	311	.Bed support means (e.g., support
282	Including bypass	211	grid or plate for supporting
283	Including dip tube for inlet		particulate bed of contact
203	or outlet of fluid solvent		material, etc.)
284		312	.Tube element containing extended
40 <del>4</del>	Internal heater; e.g., steam coil, etc.	214	surface contact reaction means
285	And heating means		(e.g., a tube internally
286	3		coated or packed with a
200	Including mechanical		catalyst, etc.)
207	comminuting or conveying means		cacalyse, ecc.,
287	Within treating vessel		
288	Including means removing vapor		
	from treated material		

DECREASING POLLUTION OR ENVIRONMENTAL IMPACT 931 INTERCHANGED or disposable dispensing tips [BOIL 3/02D]  POLYMER DISSOLVER 922 C.Cooperating with positive ejection means [BOIL 3/02D]  POSITION CHIORIDE AND POTASSIUM 922 C.Cooperating with positive ejection means [BOIL 3/02D2]  POSITION CHIORIDE AND POTASSIUM 923 C.Cooperating with positive ejection means [BOIL 3/02D2]  POSTERILIZATION MEANS 051 MISCELLANBOUS LIQUID 0	CROSS-R	EFERENCE ART COLLECTIONS	929	Supports for pipettes [B01L 3/ 02C3S]
### ENVIRONMENTAL IMPACT   931   Interchangeable or disposable   dispensing tips [B01L 3/02E]   202			930	.Drop counters or drop formers
901 POLYMER DISSOLVER 902 SODIUM CHICATDE AND POTASSIUM 932Cooperating with positive ejection means [ROIL 3/02E2] 903 RADIOACTIVE MATERIAL APPARATUS 933Means for supplying or disposing of tips, e.g., racks or cassettes [ROIL 3/02E4] 904 NITROGEN FIXATION MEANS 934Mounted within a receptacle [ROIL 3/02E4] 905 PLASMA OR ION GENERATION MEANS 935Mounted within a receptacle [ROIL 3/02E4] 906 PLASKS [ROIL 3/08] 936Mounted within a receptacle [ROIL 3/02E4] 907 CORONA OR GLOW DISCHARGE MEANS 936Mounted within a receptacle [ROIL 3/02E7] 908 CRUSTALLIZING DISHES [ROIL 3/06] 936Mounted within a receptacle [ROIL 3/02E7] 910 FLASKS [ROIL 3/08] 937Joints; seals [ROIL 3/0082] 911 WASH BOTTLES [ROIL 3/10] 938Stopcocks; valves [ROIL 3/0082] 912 A.Specific test tube, per se [ROIL 3/02E7] 940Specially adapted for centrifugation (ROIL 3/14C2) 941Specially adapted for centrifugation (ROIL 3/14C2) 942Specially adapted for centrifugation (ROIL 3/02E3) 943Specially adapted for heating and redistributing liquids through different conduits [ROIL 3/02E3] 944Capillary pipettes, i.e., with only one conduit for withdrawing and redistributing liquids (ROIL 3/02C3) 945Capillary pipettes, i.e., hawing a very small bore [ROIL 3/02C3] 946Capillary pipettes, i.e., hawing a very small bore [ROIL 3/02C3] 947Capillary pipettes, i.e., hawing mechanical strokelength setting means, e.g., movable stops [ROIL 3/02C3D] 948Capillary pipettes, i.e., hawing several coaxial pistons [ROIL 3/02C3D] 949Repeating pipettes, i.e., for dispensing multiple doses from Green from the dispensing multiple doses from Green from Green from Capital Properson for MANALYZER, STRUCTURE INCOMPT  PORT MANAGERIAL PROPERSON SAMPE (ROIL 3/02C3D) 940Mith identification means, e.g., coded [ROIL 3/02C3D] 940Gapillary pipettes, i.e., for multiple samples, e.g., multi-well filtrat	900		021	
902 SODIUM CHLORIDE AND POTASSIUM CHLORIDE DISSOLVER 903 RADIOACTIVE MATERIAL APPARATUS 904 NITROGEN FIXATION MEANS 905 MISCELLANDOUS LIQUID 906 PLASMA OR ION GENERATION MEANS 907 CORONA OR GLOW DISCHARGE MEANS 908 CRUCIBLES [BOIL 3/04] 910 PLASKS [BOIL 3/04] 911 WASH BOTTLES [BOIL 3/06] 912 GAS JARS OR CYLINDERS [BOIL 3/12] 913 TEST TUBES [BOIL 3/14] 914 Specific test tube, per se [BOIL 3/14] 915with identification means,	0.01		931	_
### CHICACIDE DISSOLVER  ### CADIOACTIVE MATERIAL APPARATUS  ### STADIOACTIVE MATERIAL APPARATUS  ### MISCELLANEOUS LIQUID  ### STERILIZATION MEANS  ### STERILIZATION MEANS  ### STERILIZATION MEANS  ### PLASMA OR ION GENERATION MEANS  ### CORONA OR GLOW DISCHARGE MEANS  ### CORONA			932	
903 RADIOACTIVE MATERIAL APPARATUS 904 NITROGEN FIXATION MEANS 905 MISCELLANSOUS LIQUID 906 PLASMA OR ION GENERATION MEANS 907 CORONA OR GLOW DISCHARGE MEANS 908 CRUCIBLES [BOIL 3/04] 909 CRUSTALLIZINO DISHES [BOIL 3/06] 910 FLASKS [BOIL 3/08] 911 WASH BOTTLES [BOIL 3/10] 912 GAS JARS OR CYLINDERS [BOIL 3/12] 913 TEST TUBES [BOIL 3/14] 914 Specific test tube, per se [BOIL 3/148] 915with identification means, e.g., coded [BOIL 3/1482] 916with identification means, e.g., cocks, bungs [BOIL 3/146] 917with identification means, e.g., cocks, bungs [BOIL 3/140] 918 Specially adapted for centrifugation [BOIL 3/140] 919 BURETTES; PIPETTES [BOIL 3/14] 910 BURETTES; PIPETTES [BOIL 3/14] 911plunger type [BOIL 3/02B] 912plunger type [BOIL 3/02B2] 913plunger type [BOIL 3/02B2] 914plunger type [BOIL 3/02B2] 915plunger type [BOIL 3/02B2] 916plunger type [BOIL 3/02B2] 917plunger type [BOIL 3/02B2] 918plunger type [BOIL 3/02B2] 919plunger type [BOIL 3/02B2] 919plunger type [BOIL 3/02B2] 910plunger pump type [BOIL 3/02CB] 911plunger type [BOIL 3/02CB] 912plunger pump type [BOIL 3/02CB] 913plunger pump type [BOIL 3/02CB] 914capillary pipettes, i.e., having a very small bore [BOIL 3/02CCC] 915Having means, e.g., movable setps [BOIL 3/02C3D] 916betails of motor drive means [BOIL 3/02C3D] 917Having means, e.g., movable setps [BOIL 3/02C3D] 918plunger pump type [BOIL 3/02C3D] 919plunger pump type [BOIL 3/02C3D] 919plunger pump type [BOIL 3/02C3D] 910plunger pump type [BOIL 3/02C3D] 911plunger pump type [BOIL 3/02C3D] 912plunger pump type [BOIL 3/02C3D] 913plunger pump type [BOIL 3/02C3D] 914having avery small bore [BOIL 3/02C3D] 915having means, e.g., movable setps [BOIL 3/02C3D] 917Having several coaxial pistons [BOIL 3/02C3D] 918Repeating pipettes, i.e. for dispensing multiple doses from dispensing multiple doses from dispensing multiple doses from dispensing multiple doses from dispensing multiple doses f	902		J J Z	
904 NITROGEN FIXATION MEANS 905 MISCELLANBOOS LIQUID 906 PLASMA OR ION GEMERATION MEANS 907 CORONA OR GLOW DISCHARGE MEANS 908 CRUCTBLES [801L 3/04] 909 CRYSTALLIZING DISHBS [B01L 3/06] 910 FLASKS [B01L 3/08] 911 WASH BOTTLES [B01L 3/10] 912 GAS JARS OR CYLINDERS [B01L 3/12] 913 TEST TUBES [B01L 3/14] 914 .Specific test tube, per se [B01L 3/14] 915 .With identification means, e.g., coded [B01L 3/145] 916 .Closing or opening means, e.g., corks, bungs [B01L 3/1462] 917 .With identification means, e.g., corks, bungs [B01L 3/1462] 918 .Specially adapted for centrifugation [B01L 3/140] 919 BURETTES; PIPETTES [B01L 3/02] 910 PLIVETES; PIPETTES [B01L 3/02] 911 DIRECTION (FOR WITHDRAWING) 912 ADDITION (FOR WITHDRAWING) 913 TEST TUBES [B01L 3/145] 914 .With identification means, e.g., corks, bungs [B01L 3/1452] 915 .Specially adapted for centrifugation [B01L 3/1452] 916 .Specially adapted for centrifugation [B01L 3/1452] 917 .Plunger type [B01L 3/021] 918 .Plunger type [B01L 3/021] 919 BURETTES; PIPETTES [B01L 3/02] 920 .Plunger type [B01L 3/021] 921 .Plunger type [B01L 3/021] 922 .Plunger type [B01L 3/022] 923 .Plunger pump type [B01L 3/022] 924Capillary pipettes, i.e., having a very small bore [B01L 3/023] 925Having means, e.g., movable stops [B01L 3/023] 926Details of motor drive means [B01L 3/023] 927Having means, e.g., movable stops [B01L 3/023] 928Plunger pump type [B01L 3/023] 929Plunger pump type [B01L 3/023] 920Details of motor drive means [B01L 3/023] 921Having means, e.g., movable stops [B01L 3/023] 922Having means, e.g., movable stops [B01L 3/023] 923Having means, e.g., movable stops [B01L 3/023] 924Having means, e.g., movable stops [B01L 3/023] 925Having means, e.g., movable stops [B01L 3/023] 926Beating pipettes, i.e. for dispensing multiple doses from dispensing multiple	003		933	
### PICHAMNOUS LIQUID ### STERILIZATION MEANS  906   PLASMA OR ION GENERATION MEANS  907   CORONA OR GLOW DISCHARGE MEANS  908   CRUCIBLES [BOLL 3/04]   936   16011 3/0251    909   CRYSTALLIZING DISSHES [BOLL 3/06]   936   Joints; seals [BOLL 3/0084]    910   PLASKS [BOLL 3/08]   937   Joints; seals [BOLL 3/0084]    911   WASH BOTTLES [BOLL 3/10]   938   Joints; seals [BOLL 3/0086]    912   GAS JARS OR CYLINDERS [BOLL 3/12]    913   TEST TUBES [BOLL 3/14]   939   With identification means, e.g., coded [BOLL 3/1482]    914   Specific test tube, per se [BOLL 3/021]   940   With identification means, e.g., cocks, bungs [BOLL 3/14C]   941   With identification means, e.g., coded [BOLL 3/14C]   942   For multiple samples, e.g., micro-titration plate [BOLL 3/00C2B]   Specially adapted for centrifugation [BOLL 3/02]   943   Specially adapted for centrifugation [BOLL 3/02]   944   Specially adapted for centrifugation [BOLL 3/02]   945   For multiple samples, e.g., multi-compartment structure [BOLL 3/02C3]   946   For multiple samples, e.g., multi-well filtration [BOLL 3/02C3]   948   For multiple samples, e.g., multi-well filtration [BOLL 3/02C3]   948   For multiple samples, e.g., multi-well filtration [BOLL 3/00C6]   For multiple samples, e.g., multi-well filtration [			333	
STERILIZATION MEANS  PLASMA OR ION GENERATION MEANS  ORONA OR GLOW DISCHARCE MEANS  ORONANTIS FOR THE PURPOSE OF  RETAINING A MATERIAL TO BE  ANALYZED [BOIL 3/00C2]  ORONALIZER SCORD HE PURPOSE OF  RETAINING A MATERIAL TO BE  ANALYZED [BOIL 3/00C2]  ORONALIZER OR THE PURPOSE OF  RETAINING A MATERIAL TO BE  ANALYZED [BOIL 3/00C2]  ORONALIZER SCORD HE PURPOSE OF  RETAINING A MATERIAL TO BE  ANALYZED [BOIL 3/00C2]  ORONALIZER SCORD HE PURPOSE OF  RETAINING A MATERIAL TO BE  ANALYZED [BOIL 3/00C2]  ORONALIZER SCORD HE PURPOSE OF  RETAINING A MATERIAL TO BE  ANALYZED [BOIL 3/00C2]  ORONALIZER SCORD HE PURPOSE OF  RETAINING A MATERIAL TO BE  ANALYZED [BOIL 3/00C2]  ORONALIZER SCORD HE PURPOSE OF  RETAINING A MATERIAL TO BE  ANALYZED [BOIL 3/00C2]  ORONAL THE PURPOSE [BOIL 3/00C2]  ORONAL THE PURPOSE [BOIL 3/00C2]  OROCCD!  ORONAL THE PURPOSE [BOIL 3/00C2]  OROCCD!  ORONAL THE PURPOSE [BOIL 3/				
PLASMA OR ION GENERATION MEANS   [BOIL 3/O2F]	J0J	_	934	.Mounted within a receptacle
907   CORONA OR GLOW DISCHARGE MEANS   935   FLUID TRANSFERRING GLASSWARE   908   CRUICIBLES [BOIL 3/04]   936   .Tubes; conduits [BOIL 3/082]   937   .Joints; seals [BOIL 3/082]   938   .Joints; seals [BOIL 3/0084]   938   .Stopcocks; valves [BOIL 3/0086]   939   .Stopcocks; valves [BOIL 3/0086]   939   .Stopcocks; valves [BOIL 3/0086]   939   .Stopcocks; valves [BOIL 3/0086]   940   .Made of a rigid material [BOIL 3/0002]   940   .Made of a rigid material [BOIL 3/0002]   941   .Mith identification means, e.g., coded [BOIL 3/0002]   942   .Stopcially adapted for deating or contriguation [BOIL 3/02]   944   .Stopcially adapted for heating or contriguation [BOIL 3/02]   944   .Made of a flexible material [BOIL 3/0002]   945   .Mith identification means, e.g., coded [BOIL 3/0004]   945   .Mith identification means, e.g., coded [BOIL 3/0004]   946   .Mith identification means, e.g., coded [BOIL 3/0004]   947   .Mith identification means, e.g., coded [BOIL 3/0004]   947   .Mith identification means, e.g., coded [BOIL 3/0006]   948   .Mith identification means, e.g.	906			[B01L 3/02F]
GRUCIBLES [BOIL 3/04]  909 CRYSTALIZING DISHES [BOIL 3/06]  910 FLASKS [BOIL 3/08]  911 WASH BOTTLES [BOIL 3/10]  912 GAS JARS OR CYLINDERS [BOIL 3/12]  913 TEST TUBES [BOIL 3/14]  914 Specific test tube, per se [BOIL 3/14]  915With identification means, e.g., corks, bungs [BOIL 3/148]  916Closing or opening means, e.g., corks, bungs [BOIL 3/142]  917With identification means, e.g., corks, bungs [BOIL 3/142]  918 Specially adapted for centrifugation [BOIL 3/142]  919 BURETTES; PIPETTES [BOIL 3/142]  910 BURETTES; PIPETTES [BOIL 3/142]  911Plunger type [BOIL 3/02]  912Plunger type [BOIL 3/02]  913 Pipettes, i.e., with only one conduit for withdrawing and redistributing liquids (BOIL 3/02C)  914Capillary pipettes, i.e., having a very small bore [BOIL 3/02C3]  915Having mechanical strokelength setting means, e.g., movable stops [BOIL 3/02C3]  917Baving several coaxial pistons [BOIL 3/02C3P]  918Beating pipettes, i.e. for dispensing multiple doses from the formultiple amples, e.g., multiyer, structure in place [BOIL 3/02C3P]  919 BURETTES; PIPETTES [BOIL 3/02C3]  910Capillary pipettes, i.e., with only one conduit for withdrawing and redistributing liquids [BOIL 3/02C3P]  919			935	FLUID TRANSFERRING GLASSWARE
909 CRYSTALLIZING DISHES [BOIL 3/06] 936 .Tubes; conduits [BOIL 3/0084] 910 YLASKS [BOIL 3/108] 937 .Joints; seals [BOIL 3/0084] 911 WASH BOTTLES [BOIL 3/10] 938 .Stopcocks; valves [BOIL 3/0086] 912 GAS JARS OR CYLINDERS [BOIL 3/12] 939 CONTAINERS FOR THE PURPOSE OF RETAINING A MATERIAL TO BE ANALYZED [BOIL 3/00C] 914 .Specific test tube, per se [BOIL 3/148] 940 .Made of a rigid material [BOIL 3/00C] 915 .With identification means, e.g., corks, bungs [BOIL 3/1482] 941 .With identification means, e.g., corks, bungs [BOIL 3/1482] 942 .For multiple samples, e.g., micro-titration plate [BOIL 3/00C2] 943 .Specially adapted for centrifugation [BOIL 3/140] 943 .Specially adapted for centrifugation [BOIL 3/140] 943 .Specially adapted for heating or centrifugation [BOIL 3/02] 944 .Made of a flexible material [BOIL 3/00C2] 945 .Pipettes, i.e., for withdrawing and redistributing liquids through different conduits [BOIL 3/020] 946 .Plunger pump type [BOIL 3/0223] 946 .Plunger pump type [BOIL 3/0223] 947 .Specially adapted for heating conduit for withdrawing and redistributing liquids [BOIL 3/00C4] 947 .With identification means, e.g., coded [BOIL 3/00C6] 948 .Plunger pump type [BOIL 3/02C3] 948 .Pror multiple samples, e.g., multi-well filtration [BOIL 3/00C6] 948 .Pror multiple samples, e.g., multi-well filtration [BOIL 3/00C6] 948 .Pror multiple samples, e.g., multi-well filtration [BOIL 3/00C6] 948 .Pror multiple samples, e.g., multi-well filtration [BOIL 3/00C6] 948 .Pror multiple samples, e.g., multi-well filtration [BOIL 3/00C6] 948 .Pror multiple samples, e.g., multi-well filtration [BOIL 3/00C6] 948 .Pror multiple samples, e.g., multi-well filtration [BOIL 3/00C6] 948 .Pror multiple sample				[B01L 3/00B]
910 FLASKS [BO1L 3/08] 911 WASH BOTTLES [BO1L 3/10] 912 GAS JARS OR CYLINDERS [BO1L 3/12] 913 TEST TUBES [BO1L 3/14] 914 .Specific test tube, per se [BO1L 3/14B] 915with identification means, e.g., coded [BO1L 3/14B2] 916 .Closing or opening means, e.g., corks, bungs [BO1L 3/14C] 917with identification means, e.g., corks, bungs [BO1L 3/14C] 918 .Specially adapted for centrifugation [BO1L 3/14D] 919 BURETTES, PIPETTES [BO1L 3/02D] 910Plunger type [BO1L 3/02B] 921Plunger type [BO1L 3/02B2] 922Plunger type [BO1L 3/02B2] 923Plunger pump type [BO1L 3/02C3] 924Capillary pipettes, i.e., having a very small bore [BO1L 3/02C3] 925Having means, e.g., movable stops [BO1L 3/02C3D] 926Details of motor drive means [BO1L 3/02C3D] 927Having several coaxial pistons [BO1L 3/02C3P] 928Repeating pipettes, i.e. for dispensing multiple doses from			936	.Tubes; conduits [B01L 3/00B2]
911 GAS JARS OR CYLINDERS [B01L 3/12] 912 GAS JARS OR CYLINDERS [B01L 3/12] 913 TEST TUBES [B01L 3/14] 914 .Specific test tube, per se [B01L 3/14B] 915 .With identification means, e.g., coded [B01L 3/14B2] 916 .Closing or opening means, e.g., corks, bungs [B01L 3/14C] 917 .With identification means, e.g., corks, bungs [B01L 3/14C] 918 .Specially adapted for centrifugation [B01L 3/14D] 919 BURETTES; PIPETTES [B01L 3/02] 910 .Burettes, i.e., for withdrawing and redistributing liquids through different conduits [B01L 3/02B] 921Plunger type [B01L 3/02B2] 922Plunger type [B01L 3/02B2] 923Plunger pump type [B01L 3/02C3] 924Capillary pipettes, i.e., having a very small bore [B01L 3/02C3] 925Having mechanical strokelength setting means, e.g., movable stops [B01L 3/02C3P] 926Details of motor drive means [B01L 3/02C3P] 927Having several coaxial pistons [B01L 3/02C3P] 928Repeating pipettes, i.e. for dispensing multiple doses from			937	.Joints; seals [B01L 3/00B4]
912 GAS JARS OR CYLINDERS [BOLL 3/12] 913 TEST TUBES [BOLL 3/14] 914 Specific test tube, per se [BOLL 3/14B] 915 Specific test tube, per se [BOLL 3/14B] 916 Specific test tube, per se [BOLL 3/14B] 917 Specific test tube, per se [BOLL 3/00C2] 918 Specific test tube, per se [BOLL 3/00C2] 919 Closing or opening means, e.g., corks, bungs [BOLL 3/14B2] 910 Specially adapted for centrifugation [BOLL 3/14C2] 911 Specially adapted for centrifugation [BOLL 3/14D] 912 BURETTES; PIPETTES [BOLL 3/02] 913 Specially adapted for centrifugation [BOLL 3/14D] 914 BURETTES; PIPETTES [BOLL 3/02] 915 BURETTES; PIPETTES [BOLL 3/02] 916 Specially adapted for centrifugation [BOLL 3/14D] 917 Surettes, i.e., for withdrawing and redistributing liquids through different conduits [BOLL 3/02B] 918 Specially adapted for centrifugation [BOLL 3/14D] 919 BURETTES; PIPETTES [BOLL 3/02B] 920 Specially adapted for centrifugation [BOLL 3/14D] 930 Surettes, i.e., for withdrawing and redistributing liquids [BOLL 3/00C2D] 931 Specially adapted for heating or cooling samples [BOLL 3/00C2D] 932 Specially adapted for heating of cooling samples [BOLL 3/00C4] 934 Specially adapted for heating of cooling samples [BOLL 3/00C4] 945 Specially adapted for heating (BOLL 3/00C4) 946 Specially adapted for heating (BOLL 3/00C4) 947 Specially adapted for heating (BOLL 3/00C4) 948 Specially adapted for heating (BOLL 3/00C4) 949 Specially adapted for heating (BOLL 3/00C4) 940 Specially adapted for heating (BOLL 3/00C4) 940 Specially adapted for heating (BOLL 3/00C4) 945 Specially adapted for heating (BOLL 3/00C4) 946 Specially adapted for heating (BOLL 3/00C4) 947 Specially adapted for heating (BOLL 3/00C4) 948 Specially adapted for heating (BOLL 3/00C6) 949 Specially adapted for heating (BOLL 3/00C6) 949 Specially adapted for heati			938	.Stopcocks; valves [B01L 3/00B6]
913 Specific test tube, per se [B01L 3/14] 914 Specific test tube, per se [B01L 3/14B] 915 With identification means, e.g., coded [B01L 3/14B] 916 Closing or opening means, e.g., corks, bungs [B01L 3/14C] 917 With identification means, e.g., cocked [B01L 3/14C] 918 Specially adapted for centrifugation [B01L 3/14C] 919 BURETTES; PIPETTES [B01L 3/02] 920 Burettes, i.e., for withdrawing and redistributing liquids through different conduits [B01L 3/02B] 921 Plunger type [B01L 3/02B2] 922 Pipettes, i.e., with only one conduit for withdrawing and redistributing liquids [B01L 3/02C] 923 Plunger type [B01L 3/02B2] 924 Pipettes, i.e., with only one conduit for withdrawing and redistributing liquids [B01L 3/02C] 925 Plunger pump type [B01L 3/02C3] 926 Plunger pump type [B01L 3/02C3] 927 Having mechanical strokelength setting means, e.g., movable stops [B01L 3/02C3D] 928 Plunger pump type several coaxial pistons [B01L 3/02C3P] 928 Repeating pipettes, i.e. for dispensing multiple doses from shanklyzed and redistributing better in the compartment structure and provided by the comparation of the comparation of the comparation of the comparation including fluid transport, e.g., multi-well filtration [B01L 3/00C6D] 948 Plunger pump type [B01L 3/02C3] 949 Plunger pump type [B01L 3/02C3] 940 Plunger pump type [B01L 3/02C3] 941 Plunger pump type [B01L 3/02C] 943 Plunger pump ladapted for heating or cooling samples, e.g., multi-comparatement structure [B01L 3/00C4] 945 Plunger pump type [B01L 3/02C3] 946 Plunger pump type [B01L 3/02C3] 947 Plunger pump type [B01L 3/02C3] 948 Plunger pump type [B01L 3/02C3] 949 Plunger pump type [B01L 3/02C3] 948 Plunger pump type [B01L 3/02C3] 949 Plunger pump type [B01L 3/02C3] 940 Plunger pump type [B01L 3/02C3] 941 Plunger pump type [B01L 3/02C3] 945 Plunger pump type [B01L 3/02C3] 946 Plunger pump type [B01L 3/02C3] 947 Plunger pump type [B01L 3/02C3] 948 Plunger pump type [B01L 3/02C3] 948 Plunger pump type [B01L 3/02C3] 949 Plunger pump type [B01L 3/02C3] 940 Plunger pump type [B01L 3/02C3]			939	CONTAINERS FOR THE PURPOSE OF
914 Specific test tube, per se [B01L 3/00C] 915 With identification means, e.g., coded [B01L 3/14E2] 916 Closing or opening means, e.g., corks, bungs [B01L 3/14C2] 917 With identification means, e.g., corks, bungs [B01L 3/14C2] 918 Specially adapted for centrifugation [B01L 3/14C2] 919 BURETTES; PIPETTES [B01L 3/021] 919 BURETTES; PIPETTES [B01L 3/021] 920 Burettes, i.e., for withdrawing and redistributing liquids through different conduits [B01L 3/02B] 921 Plunger type [B01L 3/02B] 922 Pipettes, i.e., with only one conduit for withdrawing and redistributing liquids [B01L 3/02C6] 923 Plunger pump type [B01L 3/02C3] 924 Clapitary pipettes, i.e., having a very small bore [B01L 3/02C6] 925 Having mechanical strokelength setting means, e.g., movable stops [B01L 3/02C3D] 926 Details of motor drive means [B01L 3/02C3D] 927 Having several coaxial pistons [B01L 3/02C3P] 928 PREPARTING THE REAL TRANSPORT OF MANIFULATIVE LABORATORY				RETAINING A MATERIAL TO BE
940 Made of a rigid material [B01L 3/00C2] e.g., coded [B01L 3/14B2] 941 .With identification means, e.g., corks, bungs [B01L 3/14C] 942 .For multiple samples, e.g., microtiration plate [B01L 3/00C2B] 918 .Specially adapted for centrifugation [B01L 3/14C] 943 .Specially adapted for centrifugation [B01L 3/02D] 919 BURETTES; PIPETTES [B01L 3/021] 944 .Burettes, i.e., for withdrawing and redistributing liquids through different conduits [B01L 3/02B] 945 .With identification means, e.g., coded [B01L 3/00C4] 946 .With fluid transport, e.g., multi-compartment structure [B01L 3/00C6] 947 .Using capillary action, including fluid transfer through absorbent matrix [B01L 3/00C6] .For multiple samples, e.g., multi-well filtration [B01L 3/00C6] .For		- · · · · -		ANALYZED [B01L 3/00C]
e.g., coded [BOIL 3/14B2] 916 Closing or opening means, e.g., corks, bungs [BOIL 3/14C] 917With identification means, e.g., corks, bungs [BOIL 3/14C] 918Specially adapted for centrifugation [BOIL 3/14D] 919 BURETTES; PIPETTES [BOIL 3/02] 920Burettes, i.e., for withdrawing and redistributing liquids through different conduits [BOIL 3/02B] 921Plunger type [BOIL 3/02B] 922Pipettes, i.e., with only one conduit for withdrawing and redistributing liquids [BOIL 3/02C] 923Plunger pump type [BOIL 3/02C3] 924Capillary pipettes, i.e., having a very small bore [BOIL 3/02C3] 925Having mechanical strokelength setting means, e.g., movable stops [BOIL 3/02C3D] 926Details of motor drive means [BOIL 3/02C3M] 927Having several coaxial pistons [BOIL 3/02C3P] 928Repeating pipettes, i.e. for dispensing multiple doses from			940	
Closing or opening means, e.g., corks, bungs [B01L 3/14C]   942  For multiple samples, e.g., micro-titration plate [B01L 3/00C2D]	915	With identification means,		
Cooks, bungs [B01L 3/14C]   Second		e.g., coded [B01L 3/14B2]	941	
With identification means, e.g., coded [B01L3/14C2]	916	.Closing or opening means, e.g.,		
e.g., coded [B01L3/14C2] 918		corks, bungs [B01L 3/14C]	942	
918 .Specially adapted for centrifugation [B01L 3/14D] 919 BURETTES; PIPETTES [B01L 3/021] 920 .Burettes, i.e., for withdrawing and redistributing liquids through different conduits [B01L 3/02B] 921Plunger type [B01L 3/02B2] 922Pipettes, i.e., with only one conduit for withdrawing and redistributing liquids [B01L 3/02C4] 923Plunger pump type [B01L 3/02C3] 924Capillary pipettes, i.e., having a very small bore [B01L 3/02C3C] 925Having mechanical strokelength setting means, e.g., movable stops [B01L 3/02C3D] 926Details of motor drive means [B01L 3/02C3D] 927Having several coaxial pistons [B01L 3/02C3P] 928Repeating pipettes, i.e. for dispensing multiple doses from  948Specially adapted for heating or cooling samples [B01L 3/00C4] 949Made of a flexible material [B01L 3/00C4] 945With identification means, e.g., wulti-compartment structure [B01L 3/00C6] 946With fluid transport, e.g., multi-compartment structure [B01L 3/00C6] 947Using capillary action, including fluid transfer through absorbent matrix [B01L 3/00C6C] 948For multiple samples, e.g., multi-well filtration [B01L 3/00C6D] 948For multiple samples, e.g., multi-well filtration [B01L 3/00C6D] 949For multiple samples, e.g., multi-well filtration [B01L 3/00C6D] 949For multiple samples, e.g., multi-well filtration [B01L 3/00C6D] 940Using capillary action, including fluid transfer through absorbent matrix [B01L 3/00C6C] 941Using capillary action, including fluid transfer through absorbent matrix [B01L 3/00C6C] 942For multiple samples, e.g., multi-well filtration [B01L 3/00C6D] 943For multiple samples, e.g., multi-compartment structure [B01L 3/00C6C] 944Using capillary action, including fluid transfer through absorbent matrix [B01L 3/00C6C] 945Using capillary action, including fluid transfer through absorbent matrix [B01L 3/00C6C] 946Using capillary action, including fluid transfer through absorbent matrix [B01L 3/00C6C] 947Using capillary action, including fluid tran	917			<u>-</u>
### Centrifugation [B01L 3/14D]	010		943	Specially adapted for heating
919 BURETTES; PIPETTES [BO1L 3/021] 920 Burettes, i.e., for withdrawing and redistributing liquids through different conduits [B01L 3/028] 921 Plunger type [B01L 3/02B2] 922 Pipettes, i.e., with only one conduit for withdrawing and redistributing liquids [B01L 3/02C6] 923 Plunger pump type [B01L 3/02C3] 924 Capillary pipettes, i.e., having a very small bore [B01L 3/02C3] 925 Having means, e.g., movable stops [B01L 3/02C3D] 926 Details of motor drive means [B01L 3/02C3M] 927 Having several coaxial pistons [B01L 3/02C3F] 928 Repeating pipettes, i.e. for dispensing multiple doses from  948 Made of a flexible material [B01L 3/00C4] 945 With fluid transport, e.g., multi-compartment structure [B01L 3/00C6] 946 With fluid transport, e.g., multi-compartment structure [B01L 3/00C6] 947 Using capillary action, including fluid transfer through absorbent matrix [B01L 3/00C6C] 948 Using dentification means, e.g., multi-well filtration [B01L 3/00C6C] 948 Using capillary action, multi-well filtration [B01L 3/00C6C] 948 Using dentification means, e.g., multi-compartment structure [B01L 3/00C6C] 949 Using dentification means, e.g., multi-compartment structure [B01L 3/00C6C] 949 Using dentification means, e.g., multi-compartment structure [B01L 3/00C6C] 949 Using dentification means, e.g., multi-compartment structure [B01L 3/00C6C] 949 Using dentification means, e.g., multi-compartment structure [B01L 3/00C6C] 949 Using dentification means, e.g., multi-compartment structure [B01L 3/00C6C] 949 Using dentification means, e.g., multi-compartment structure [B01L 3/00C6C] 949 Using dentification means, e.g., multi-compartment structure [B01L 3/00C6C] 949 Using dentification means, e.g., multi-compartment structure [B01L 3/00C6C] 949 Using dentification means, e.g., multi-compartment structure [B01L 3/00C6C] 949 Using dentification means, e.g., multi-compartment structure [B01L 3/00C6] 949 Using dentification means, e.g., multi-compartment structure [B01L 3/00C6] 949 Using dentification means, e.g., multi-compartment structure [B01L 3	910			or cooling samples [B01L 3/
920 Burettes, i.e., for withdrawing and redistributing liquids through different conduits [B01L 3/02B]  921 Plunger type [B01L 3/02B2]  922 Pipettes, i.e., with only one conduit for withdrawing and redistributing liquids [B01L 3/02C6]  923 Plunger pump type [B01L 3/02C3]  924 Capillary pipettes, i.e., having a very small bore [B01L 3/02C3C]  925 Having mechanical strokelength setting means, e.g., movable stops [B01L 3/02C3D]  926 Details of motor drive means [B01L 3/02C3M]  927 Having several coaxial pistons [B01L 3/02C3P]  928 Repeating pipettes, i.e. for dispensing multiple doses from	919			00C2D2]
and redistributing liquids through different conduits [B01L 3/02B]  921Plunger type [B01L 3/02B2]  922 .Pipettes, i.e., with only one conduit for withdrawing and redistributing liquids [B01L 3/02C]  923Plunger pump type [B01L 3/02C3]  924Capillary pipettes, i.e., having a very small bore [B01L 3/02C3C]  925Having mechanical strokelength setting means, e.g., movable stops [B01L 3/02C3D]  926Details of motor drive means [B01L 3/02C3D]  927Having several coaxial pistons [B01L 3/02C3P]  928Repeating pipettes, i.e. for dispensing multiple doses from  [B01L 3/02CATC]  946With identification means, e.g., voded [B01L 3/00C4]  947With identification means, e.g., coded [B01L 3/00C6]  947Using capillary action, including fluid transfer through absorbent matrix [B01L 3/00C6C]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  FOREIGN ART COLLECTIONS  FOR 000 CLASS-RELATED FOREIGN DOCUMENTS ANALYZER, STRUCTURED INDICATOR, OR MANIPULATIVE LABORATORY			944	.Made of a flexible material
through different conduits [B01L 3/02B]  921Plunger type [B01L 3/02B2]  922 .Pipettes, i.e., with only one conduit for withdrawing and redistributing liquids [B01L 3/02C3]  923Plunger pump type [B01L 3/02C3]  924Capillary pipettes, i.e., having a very small bore [B01L 3/02C6C]  925Having mechanical strokelength setting means, e.g., movable stops [B01L 3/02C3D]  926Details of motor drive means [B01L 3/02C3M]  927Having several coaxial pistons [B01L 3/02C3P]  928Repeating pipettes, i.e. for dispensing multiple doses from  1946With fluid transport, e.g., multi-compartment structure [B01L 3/00C6C] Using capillary action, including fluid transfer through absorbent matrix [B01L 3/00C6C] For multiple samples, e.g., multi-well filtration [B01L 3/00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/00C6D]  949For multiple samples, e.g., multi-well filtration [B01L 3/00C6D]  949For multiple samples, e.g., multi-well filtration [B01L 3/00C6D]  940For multiple samples, e.g., multi-well filtration [B01L 3/00C6D]  941Using capillary action, including fluid transfer through absorbent matrix [B01L 3/00C6C]  942For multiple samples, e.g., multi-well filtration [B01L 3/00C6D]  943For multiple samples, e.g., multi-well filtration [B01L 3/00C6D]  944For multiple samples, e.g., multi-well filtration [B01L 3/00C6D]  945For multiple samples, e.g., multi-well filtration [B01L 3/00C6D]  946Using capillary action, including fluid transfer through absorbent matrix [B01L 3/00C6C]  947Using capillary action, including fluid transfer through absorbent matrix [B01L 3/00C6C]  948For multi-compartment structure [B01L 3/00C6C]  948For multi-well filtration [B01L 3/00C6D]  948For multi-well filtration [B01L 3/00C6D]  948For multi-well filtration [B01L 3/00C6D]  949For multi-well filtration [B01L 3/00C6D]  949For multi-well filtration [B01L 3/00C6D]  949For multi-well filtration [B01L 3/00C6D]	320	_		
[B01L 3/02B] 921Plunger type [B01L 3/02B2] 922 .Pipettes, i.e., with only one conduit for withdrawing and redistributing liquids [B01L 3/02C6] 923Plunger pump type [B01L 3/02C3] 924Capillary pipettes, i.e., having a very small bore [B01L 3/02C6C] 925Having mechanical strokelength setting means, e.g., movable stops [B01L 3/02C3D] 926Details of motor drive means [B01L 3/02C3M] 927Having several coaxial pistons [B01L 3/02C3P] 928Repeating pipettes, i.e. for dispensing multiple doses from  946With fluid transport, e.g., multi-compartment structure [B01L 3/00C6] 947Using capillary action, including fluid transfer through absorbent matrix [B01L 3/00C6C] 948For multiple samples, e.g., multi-well filtration [B01L 3/00C6D] 948For multiple samples, e.g., multi-well filtration [B01L 3/00C6D] 948For multiple samples, e.g., multi-well filtration [B01L 3/00C6D] 950Details of motor drive means [B01L 3/02C3M] 960Details of motor drive means [B01L 3/02C3M] 971Having several coaxial pistons [B01L 3/02C3P] 972Having several coaxial pistons [B01L 3/02C3P] 973Having several coaxial pistons [B01L 3/02C3M] 974Using capillary action, including fluid transfer through absorbent matrix [B01L 3/00C6C] 975For multiple samples, e.g., multi-well filtration [B01L 3/00C6D] 976For multiple samples, e.g., multi-well filtration [B01L 3/00C6D] 977Having several coaxial pistons [B01L 3/02C3M] 978Repeating pipettes, i.e. for OR MANIPULATIVE LABORATORY		9 =	945	
Pipettes, i.e., with only one conduit for withdrawing and redistributing liquids [B01L 3/02C3]  923Plunger pump type [B01L 3/02C3]  924Capillary pipettes, i.e., having a very small bore [B01L 3/02C3C]  925Having mechanical strokelength setting means, e.g., movable stops [B01L 3/02C3D]  926Details of motor drive means [B01L 3/02C3M]  927Having several coaxial pistons [B01L 3/02C3P]  928Repeating pipettes, i.e. for dispensing multiple doses from  multi-compartment structure [B01L 3/00C6]  947Using capillary action, including fluid transfer through absorbent matrix [B01L 3/00C6C]  948For multiple samples, e.g., multi-well filtration [B01L 3/00C6D]  948For multiple samples, e.g., multi-compartment structure [B01L 3/00C6]  947Using capillary action, including fluid transfer through absorbent matrix [B01L 3/00C6C]  948For multiple samples, e.g., multi-well filtration [B01L 3/00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/00C6D]  948For multiple samples, e.g., multi-compartment structure [B01L 3/00C6]				_
222 Pipettes, 1.e., with only one conduit for withdrawing and redistributing liquids [B01L 3/02C3] 3/02C] 947Using capillary action, including fluid transfer through absorbent matrix [B01L 3/00C6C] 3/00C6C] 948Capillary pipettes, i.e., having a very small bore [B01L 3/02C3C] 948For multiple samples, e.g., multi-well filtration [B01L 3/00C6D] 948For multiple samples, e.g., multi-well filtration [B01L 3/00C6D] 926Details of motor drive means [B01L 3/02C3D] 926Details of motor drive means [B01L 3/02C3M] 927Having several coaxial pistons [B01L 3/02C3P] 928Repeating pipettes, i.e. for dispensing multiple doses from 0R MANIPULATIVE LABORATORY	921	Plunger type [B01L 3/02B2]	946	
conduit for withdrawing and redistributing liquids [B01L 3/02C]  923Plunger pump type [B01L 3/02C3]  924Capillary pipettes, i.e., having a very small bore [B01L 3/02C3C]  925Having mechanical strokelength setting means, e.g., movable stops [B01L 3/02C3D]  926Details of motor drive means [B01L 3/02C3M]  927Having several coaxial pistons [B01L 3/02C3P]  928Repeating pipettes, i.e. for dispensing multiple doses from  947Using capillary action, including fluid transfer through absorbent matrix [B01L 3/00C6C]  948For multiple samples, e.g., multi-well filtration [B01L 3/00C6D]  948For multiple samples, e.g., multiple samples, e.g	922	.Pipettes, i.e., with only one		-
including fluid transfer through absorbent matrix [B01L 3/02C]  923Plunger pump type [B01L 3/02C3] 924Capillary pipettes, i.e., having a very small bore [B01L 3/02C3C]  925Having mechanical strokelength setting means, e.g., movable stops [B01L 3/02C3D]  926Details of motor drive means [B01L 3/02C3M]  927Having several coaxial pistons [B01L 3/02C3P]  928Repeating pipettes, i.e. for dispensing multiple doses from  including fluid transfer through absorbent matrix [B01L 3/00C6C] For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  FOREIGN ART COLLECTIONS  FOR 000 CLASS-RELATED FOREIGN DOCUMENTS ANALYZER, STRUCTURED INDICATOR, OR MANIPULATIVE LABORATORY		conduit for withdrawing and	0.45	
923Plunger pump type [B01L 3/02C3] 924Capillary pipettes, i.e., having a very small bore [B01L 3/02C3C] 925Having mechanical strokelength setting means, e.g., movable stops [B01L 3/02C3D]  926Details of motor drive means [B01L 3/02C3M]  927Having several coaxial pistons [B01L 3/02C3P]  928Repeating pipettes, i.e. for dispensing multiple doses from  through absorbent matrix [B01L 3/00C6C]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]		redistributing liquids [B01L	947	
3/00c6c]  924Capillary pipettes, i.e., having a very small bore [B01L 3/02C3C]  925Having mechanical strokelength setting means, e.g., movable stops [B01L 3/02C3D]  926Details of motor drive means [B01L 3/02C3M]  927Having several coaxial pistons [B01L 3/02C3P]  928Repeating pipettes, i.e. for dispensing multiple doses from  3/00c6c]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]  948For multiple samples, e.g., multi-well filtration [B01L 3/ 00C6D]		3/02C]		
924Capillary pipettes, i.e., having a very small bore [B01L 3/02C3C] 925Having mechanical strokelength setting means, e.g., movable stops [B01L 3/02C3D] 926Details of motor drive means [B01L 3/02C3M] FOREIGN ART COLLECTIONS  927Having several coaxial pistons [B01L 3/02C3P] FOR 000 CLASS-RELATED FOREIGN DOCUMENTS  928Repeating pipettes, i.e. for dispensing multiple doses from  948For multiple samples, e.g., multi-well filtration [B01L 3/00C6D]  90C6D]  918For multiple samples, e.g., multi-well filtration [B01L 3/00C6D]  919 00C6D]  920				
having a very small bore [B01L 3/02C3C]  925Having mechanical strokelength setting means, e.g., movable stops [B01L 3/02C3D]  926Details of motor drive means [B01L 3/02C3M]  927Having several coaxial pistons [B01L 3/02C3P]  928Repeating pipettes, i.e. for dispensing multiple doses from  multi-well filtration [B01L 3/00C6D]  Multi-well filtration [B01L 3/00C6D]  FOREIGN ART COLLECTIONS  FOR 000 CLASS-RELATED FOREIGN DOCUMENTS  ANALYZER, STRUCTURED INDICATOR, OR MANIPULATIVE LABORATORY	924		948	· · · · · · · · · · · · · · · · · · ·
setting means, e.g., movable stops [B01L 3/02C3D]  926Details of motor drive means [B01L 3/02C3M]  927Having several coaxial pistons [B01L 3/02C3P]  928Repeating pipettes, i.e. for dispensing multiple doses from  FOR 000 CLASS-RELATED FOREIGN DOCUMENTS  ANALYZER, STRUCTURED INDICATOR,  OR MANIPULATIVE LABORATORY		2 2	J 10	multi-well filtration [B01L 3/
stops [B01L 3/02C3D] 926Details of motor drive means [B01L 3/02C3M] FOREIGN ART COLLECTIONS  927Having several coaxial pistons [B01L 3/02C3P] FOR 000 CLASS-RELATED FOREIGN DOCUMENTS  928Repeating pipettes, i.e. for dispensing multiple doses from OR MANIPULATIVE LABORATORY	925	Having mechanical strokelength		00C6D]
926Details of motor drive means [B01L 3/02C3M] FOREIGN ART COLLECTIONS  927Having several coaxial pistons [B01L 3/02C3P] FOR 000 CLASS-RELATED FOREIGN DOCUMENTS  928Repeating pipettes, i.e. for dispensing multiple doses from OR MANIPULATIVE LABORATORY				
[B01L 3/02C3M]  927 Having several coaxial pistons [B01L 3/02C3P]  928 Repeating pipettes, i.e. for dispensing multiple doses from  FOREIGN ART COLLECTIONS  FOR 000 CLASS-RELATED FOREIGN DOCUMENTS  ANALYZER, STRUCTURED INDICATOR, OR MANIPULATIVE LABORATORY	926			
927Having several coaxial pistons [B01L 3/02C3P] FOR 000 CLASS-RELATED FOREIGN DOCUMENTS  928Repeating pipettes, i.e. for dispensing multiple doses from OR MANIPULATIVE LABORATORY	220		FOREIGN	ART COLLECTIONS
[B01L 3/02C3P] FOR 000 CLASS-RELATED FOREIGN DOCUMENTS  928Repeating pipettes, i.e. for dispensing multiple doses from OR MANIPULATIVE LABORATORY	927			
dispensing multiple doses from OR MANIPULATIVE LABORATORY			FOR 000	CLASS-RELATED FOREIGN DOCUMENTS
dispensing multiple doses from OR MANIPULATIVE LABORATORY	928	Repeating pipettes, i.e. for		ANALYZER, STRUCTURED INDICATOR,
		dispensing multiple doses from		

- FOR 100 .Structured visual or optical indicator, per se (422/55)
- FOR 101 .. Having reagent in absorbent or bibulous substrate (422/56)
- FOR 102 .. Having coated reagent (422/57)
- FOR 103 .. In holder or container having special form (422/58)
- FOR 104 ...Column (422/59)
- FOR 105 .... Having plural-layered material (422/60)
- FOR 106 .Test package or kit (422/61)
- FOR 107 .Miscellaneous laboratory apparatus and elements, per se (422/99)
- FOR 108 .. Pipette or other volumetric fluid transfer means (422/100)
- FOR 109 .. Including means for separating a constituent; e.g., filter, condenser, extractor, etc. (422/101)
- FOR 110 .. Container (422/102)
- FOR 111 .. Valve or connector structure (422/103)
- FOR 112 .. Holder, support, housing, or hood (422/104)

## CHEMICAL REACTOR

- FOR 113 . Including plural reaction stages (422/188)
- FOR 114 .. And means providing discrete sequential reaction stages; e.g., train, etc. (422/189)
- FOR 115 ...Plural solid, extended surface, fluid contact reaction stages each containing; e.g., inert Raschig rings, particulate sorbent, particulate or monolithic catalyst, etc. (422/190)
- FOR 116 .... Superimposed reaction stages in single reaction chamber (422/191)
- FOR 117 .... At least one reaction stage formed of fixed, annularly shaped bed of contact material and means directing reaction stream therethrough substantially perpendicular to longitudinal axis of bed (422/ 192)
- FOR 118 ... Reaction stages located within single reaction chamber (422/ 193)

- FOR 119 .... And means downstream of a stage for internally injecting a reactant into a reaction stream for interreaction in a subsequent stage, or injecting an internal quench stream into reaction stream passing between stages (422/194)
- FOR 120 .... Means within reaction chamber redistributing reaction stream as it passes between adjacent stages (422/195)
- FOR 121 .. Including plural parallel reaction stages with each stage in form of a reaction tube (422/196)
- FOR 122 ... Tubular stages in single reaction chamber (422/197)

422 - 12 CLASS 422 CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING