

1	<b>MAGNETIC SEPARATING MEANS</b>	29	..Electrode or part thereof moved on or against another
2	.Electromagnet		
3	.And electric field separation apparatus	30	..With shutdown or voltage adjustment means interrelated with cleaning (e.g., cutting off flow of gaseous fluid mixture or electrical current, etc.)
4	<b>APPARATUS FOR SELECTIVE DIFFUSION OF GASES (E.G., SEMIPERMEABLE MEMBRANE, ETC.)</b>		
5	.Immobilized liquid membrane	31	...Sequential operation
6	.Membrane to degasify liquid	32	..Vibrating, jarring, or rapping means
7	.Plural separate barriers		
8	..Parallel hollow fibers or cylinders (e.g., bundled, etc.)	33	...Mounted on rotatable shaft (e.g., swinging arm or hammer, etc.)
9	..Barriers connected in series		
10	.Hollow fiber or cylinder	34	....Having reciprocating rod or piston type activating or rapping means
11	.Plural layers (e.g., laminated barrier, etc.)		
12	..Organic compound containing layer	35	....Activated by second swinging or rotatable means
13	...Ring containing organic compound	36	...Magnet or solenoid activating means
14	.Membrane having ring containing organic compound	37	...Reciprocating rod or piston type activating or rapping means
15	<b>ELECTRIC FIELD SEPARATION APPARATUS (E.G., ELECTRICAL PRECIPITATOR, ELECTROSTATIC TYPE, ETC.)</b>	38	...Horizontal striking means
		39	..Movably mounted electrode
16	.And radioactive or ultraviolet light ionizer	40	...Nonliquid contact cleaning means
17	.Electric charge produced by friction (e.g., by gas flow, etc.)	41	...Liquid bath for immersion of electrode
18	.With control means responsive to sensed condition	42	....Endless belt carried or belt type electrode
19	..Concentration or temperature sensing means	43	..Fluid contacting means (e.g., suction means, etc.)
20	..Arc, spark, or flashover sensing means	44	...Liquid applying means for electrode (e.g., projection type, etc.)
21	...Current sensing means	45	....Weir or overflow wet film type
22	..Current sensing means	46	....Having movable spraying means for liquid
23	...And voltage sensing means	47	....Including means to recirculate liquid
24	..Voltage sensing means	48	....Including baffle for directing gas flow
25	.With programmed, cyclic, or time responsive control means	49	....Cylindrical electrode
26	.With indicating, signal, or alarm means	50	...Apparatus purging or flushing means using gas or liquid
27	.With means to add charged solid or liquid particles to gaseous fluid mixture	51	..Electrode scraping, brushing, or wiping means
28	.Electrode cleaner, apparatus part flusher, discharger, or wet collector (e.g., wet film electrode, etc.)	52	.With means for vapor or liquid contact (e.g., for gas separation, cooling, conditioning, etc.)

53	..Liquid spray means	78	...Adjacent parallel collector electrodes are differently charged
54	.Having alternating electrostatic field		
55	.And serially arranged nonelectrical separator	79	....Collecting electrodes are flat plates
56	..Bypass or modification of flow of gaseous fluid mixture to second stage	80	.With details of voltage supply means or circuitry
57	..Precedent nonelectrical separator	81	..Closure interlock or removable section
58	...Separator is single porous filter	82	..Circuit portions
59	..Total flow of gaseous fluid mixture through porous collector electrode	83	.Electrode retaining or supporting means
60	.Including gas flow distribution means	84	..Plural electrode unit assembly type (e.g., unitized, etc.)
61	..Spiralling inflow, centrifugal, or whirl generating surface means	85	...Disposable (e.g., collapsible or foldable cardboard, etc.)
62	..For contact with ionizing electrode or uniform flow in treating zone	86	...Parallel disk or plate collector unit
63	...Having means for driving gas flow (e.g., fan, blower, etc.)	87	..Parallel disk or plate collector
64	...Perforated baffle or gas diffuser	88	..With insulation feature
65	..Collecting electrode modifies gas flow	89	..Tensioning means
66	...Total flow of gaseous fluid mixture through interstitial or porous collector	90	...Spring or expansible bellows
67	....Zigzag running length	91	...Hanging weight
68	....Particle type collector	92	..Suspensory means
69	...Layered, laminated, or coated	93	...Nonrigid support (e.g., hanging electrode, etc.)
70	...Plural separate electrode members aligned in direction of gas flow	94	..Movably supported during use or for orientation
71	...Segmented electrode	95	.Ionizing electrode details (e.g., coil, mat, corona suppression, etc.)
72	...Continuous electrode with integral or attached projections	96	..Filamentary or filar form
73	..Flow distribution means for parallel sections	97	..Sharpened point, serrated, or tip discharge
74	.With nonelectrical gas treating or conditioning means	98	.Collecting electrode details (e.g., sheet type, running length web, etc.)
75	.Plural diverse electric fields	99	..Dielectric material containing or covering
76	..One or more electrodes common to plural fields	100	..Multiple similar elements or sections (e.g., built up, etc.)
77	..Serially arranged ionizing and collecting or agglomerating fields	101	<b>CHROMATOGRAPHY TYPE APPARATUS</b>
		102	.With control means responsive to sensed condition
		103	.With programmed, cyclic, or time responsive control means
		104	.Plural separate and distinct stages
		105	.Including injection system or inlet fluid distributor
		106	.Having system connector or coupling

107	.Having imbedded baffle or flow distributor	139	..Including baffle for modifying gas flow (e.g., flow vanes, diffuser, etc.)
108	<b>SOLID SORBENT APPARATUS</b>	140	...And means for driving gas flow
109	.With control means responsive to sensed condition	141	...And means regenerating solid sorbent
110	..Fluid flow sensing means	142	..With means for driving gas flow
111	..Concentration sensing means	143	.With means regenerating solid sorbent
112	..Temperature sensing means	144	..Gas contacting means
113	..Pressure sensing means	145	...Means applies steam to solid sorbent
114	...And programmed, cyclic, or time responsive control means	146	..Heat exchanger to regenerate
115	.With programmed, cyclic, or time responsive control means	147	.Having mountable casing
116	..Regulating or metering means	148	..Storage or food receptacle
117	..Indicating, signal, or alarm means	149	.With means to compress or compact solid sorbent bed
117.5	.With indicating means (e.g., color change indicator, etc.)	150	.Movable solid sorbent bed (e.g., fluidized bed, etc.)
118	.Soluble or deliquescent type (e.g., calcium chloride, etc.)	151	.Including means to access or replace solid sorbent
119	..Supported by holder with drip openings	152	.Including baffle for modifying gas flow (e.g., imbedded in solid sorbent, etc.)
120	...Including liquid contacting means	153	.Dispersed or impregnated solid sorbent bed
121	.Plural solid sorbent beds	154	.Layered or laminated (e.g., solid sorbent on support material, etc.)
122	..With recovery or separation means for desorbing fluid	155	<b>DEGASIFYING MEANS FOR LIQUID</b>
123	...Movable solid sorbent bed (e.g., fluidized bed, etc.)	156	.With control means responsive to sensed condition
124	..With rotating gas distributor	157	..With liquid level sensing means
125	..Rotating solid sorbent bed	158	...Separator inlet or outlet valve responsive to float level
126	..With heat exchange means	159	....Plural floats
127	...And means for driving gas flow (e.g., pump, blower, compressor, etc.)	160	....And temperature sensing means
128	....Compressor	161	....And pressure sensing means
129	..Zigzag arrangement of flat solid sorbent beds for parallel flow	162	....Plural float-controlled valves
130	..With means for regenerating solid sorbent	163	....At least one is gas outlet valve
131	..Serial	164	.....And pressure sensing means
132	...Diverse type	165	...Gas outlet valve responsive to float level
133	..Plural canisters	166	....And pressure sensing means
134	.Plural diverse separating means	167	....Centrifugal separating means
135	..At least one a dispersed or impregnated solid sorbent bed	168	....Liquid outlet valve responsive to float level
136	..Plural housings or casings for separating components	169	....And pressure sensing means
137	..With means to compress or compact solid sorbent bed	170	....And recycle means (e.g., for degasified liquid, etc.)
138	..Including means to access or replace solid sorbent		

171	.....And tangential flow or centrifugal separating means	205	..And preliminary heat exchange means
172	....With pressure sensing means	206	..At inlet to separator
173	..With temperature sensing means	207	...Plural, serially arranged
174	..With pressure sensing means	208	...Centrifugal type
175	.Sonic means (i.e., using sound waves)	209	....Tangential inlet
176	.Defoaming means	210	.....Including tangential outlet
177	..Centrifugal or rotating separator	211	.....Split or plural inlets
178	...Having flow-through foam restrictor or eliminator (e.g., screen, etc.)	212	.....Including inner and outer casings or plural compartments
179	..Having flow-through foam restrictor or eliminator (e.g., screen, etc.)	213	....Tangential outlet
180	..Having recycle means (e.g., for foam or separated liquid, etc.)	214	....Rotating means
181	.And liquid contact means	215	..Plural, serially arranged
182	.With separator for multiple liquids	216	..Centrifugal type
183	..Reservoir with three or more outlets, each for different fluid	217	...Impeller or screw on rotating shaft
184	...Horizontal reservoir	218	.Heat exchanger to degasify
185	...With heat exchange means	219	.And fluid filter
186	....And internal filter or screen (e.g., coalescer, etc.)	220	.Including baffle
187	.Tank or tank part movably mounted on support (e.g., for deaerating aircraft lubricating oil, etc.)	221	<b>COLD WALL-HOT WALL THERMAL DIFFUSION-TYPE SEPARATOR</b>
188	.Including means to remove mist entrained in gas	222	<b>WITH MEANS TO ADD FRAGRANCE OR SCENT</b>
189	..Baffle, filter, or screen	223	<b>WITH STERILIZING MEANS</b>
190	...Plural, serially arranged	224	.Germicidal lamp (e.g., ultraviolet light, etc.)
191	....Concentric tubular members	225	.Heater (e.g., electrical, steam, etc.)
192	....Alternate central and peripheral gas paths	226	.Means uses chemical antimicrobial agent
193	.Pressure reducing means	227	..Liquid agent
194	..And liquid flow modifier	228	<b>WITH MEANS USING LIQUID TO CLEAN SEPARATING APPARATUS</b>
195	...Centrifugal type	229	.Movably mounted cleaning liquid distributor
196	....Rotating means	230	.Movable separating media
197	...Baffle	231	..Immersion cleaning
198	....Plural baffles in series	232	.Parallel vanes or baffles
199	.....With heat exchange means	233	.Filter
200	...Spray nozzle	234	<b>GAS AND LIQUID CONTACT APPARATUS FOR GAS SEPARATION INCLUDING MEANS TO REGENERATE, PURIFY, OR SEPARATE CONTACT LIQUID</b>
201	..With heat exchange means	235	.Means to add conditioning agent to contact liquid
202	.With gas contacting means	236	.Gravitational separator for contact liquid
203	..Spray nozzle	237	..With heavier component mechanical mover, trap, chamber, or recess in gravitational separator
204	.Liquid flow slinger, spreader, deflector, disperser, or rotation modifier	238	..With lighter component removal means in gravitational separator

239	..With baffle, plate, or weir within gravitational separator to aid contact liquid regeneration, purification, or separation	270	...And contact liquid sprayer
240	.Filter for contact liquid	271	..Means forming free-falling contact liquid curtain
241	..Including filter adjusting or removal means	272	..Means forming flowing contact liquid film on apparatus surface
242	.Heating or cooling means	273	...And contact liquid sprayer
243	<b>WITH GAS AND LIQUID CONTACT APPARATUS</b>	274	..Means to apply contact liquid to solid or porous sheet or tube
244	.With control means responsive to sensed condition	275	...Venturi passage
245	..Contact liquid level sensing means	276	...And liquid bath or reservoir for contact
246	...By pressure sensing means	277	...And contact liquid sprayer
247	...Valve responsive to float level	278	..Liquid bath or reservoir for contact
248	....Plural floats	279	...Submerged inlet for subsurface contact
249	....Contact liquid inlet valve responsive to float level	280	...And contact liquid sprayer
250	....Contact liquid outlet valve responsive to float level	281	.Movably mounted contact liquid distributor
251	..Temperature sensing means	282	..Rotatable solid disc or surface
252	..Gas flow rate sensing means	283	...Partially immersed within contact liquid
253	..Pressure sensing means	284	...Rotation causes contact liquid to be drawn from liquid reservoir (e.g., suction, etc.)
254	...Pressure sensitive diaphragm	285	...Rotation caused by flowing contact liquid or gas
255	.With programmed, cyclic, or time responsive control means	286	..Rotatable porous disc or surface
256	.Contact liquid movement by flowing gas force	287	...Partially immersed within contact liquid
257	.Including means varying gas flow to control saturation or dispersion	288	....Belt type
258	..Pivotal means	289	....Drum type
259	...About an end	290	.Particulate media, shaped packing elements (e.g., Raschig rings, Berl saddles, etc.), or porous media for gas and liquid contact
260	..Axially movable means	291	..Moving
261	...Conically or frustoconically shaped	292	..In engine air inlet
262	.Having contact liquid level maintaining means (e.g., weir, wall openings, tubes, gates, etc.)	293	..In fuel dispersal means (e.g., in carburetor, etc.)
263	.For portion of total gas flow	294	..Humidifier or evaporative cooler
264	..Utilizing a valve	295	..Gas dehydrator (e.g., glycol type, etc.)
265	.Including means to control contact liquid return flow to supply or sump	296	..Mesh or fabric screen, fibrous or filamentary pad, or perforated plate
266	..With heat exchange means	297	...By sprayer
267	.Diverse means for adding liquid for gas and liquid contact	298	..Foam
268	..Moving apparatus part for liquid contact		
269	...And liquid bath or reservoir for contact		

299	..Parallel plate, sheet, or member	327	..Imperforate film supporting surface
300	..Downstream gas separation means (e.g., mist eliminator, etc.)	328	...Inclined
301	..Fixed gas whirler or rotator for gas separation	329	..Liquid bath or reservoir for contact
302	..Having conical baffle with apex facing upstream	330	..Having back pressure relief or liquid blow back trap or separator
303	..Contact liquid applied in central gaseous flow path of concentric gaseous flow paths	331	..Having antisplash means or means for retaining contact liquid during upset or tilt
304	...Baffle, vane, or plate in outer gaseous flow path	332	..With movable agitator in bath or reservoir for commingling gas and liquid
305	...Baffle, vane, or plate in central gaseous flow path	333	..Nonliquid gas separator positioned above liquid bath or reservoir
306	..Liquid contact preceding whirler or rotator	334	...Having means for forming contact liquid into spray or heap
307	...Means forming free-falling contact liquid curtain	335	....Central downward gas inlet
308	...Means forming flowing contact liquid film on apparatus surface	336	....Gas flows tangentially to liquid surface
309	...Liquid bath or reservoir for contact	337	...Superposed filter
310	....And downstream filter	338	....Having flow guide preventing entire filter face contact by gas flow
311	...Contact liquid spray	339	....Surrounding gas flow path
312	....Within a venturi passage	340	.....Submerged inlet for subsurface contact
313	....Tangential gas inlet into whirler or rotator	341	.....And separable liquid sump
314	..Liquid contact within whirler or rotator	342	....Submerged inlet for subsurface contact
315	..Means forming free-falling contact liquid curtain	343	....Multiple outlet orifices in submerged inlet
316	..Means forming flowing contact liquid film on apparatus surface	344	.....Perforated pipe
317	...Liquid bath or reservoir for contact	345	.....Perforated plate
318	....And downstream filter	346	....Submerged baffle
319	...Contact liquid spray	347	....Gas flows tangentially to liquid surface
320	....Baffle means for producing or aiding contact liquid spray formation	348	...Superposed stationary deflector
321	..Having tangential gaseous fluid mixture inlet	349	....Flow reversal
322	..Means forming flowing contact liquid film on apparatus surface or free-falling contact liquid curtain for gas and liquid contact	350	....Tortuous path
323	..Venturi type	351	..Submerged inlet for subsurface contact
324	..Curved impingement surface	352	...Multiple outlet orifices in submerged inlet
325	..Impingement baffle or pan	353	....Perforated pipe
326	..Liquid flow surface perforated for gas flow therethrough	354	....Perforated plate
		355	..Nonliquid gas separating means downstream of liquid contact means
		356	..Parallel vanes or baffles
		357	...And diverse separating means

358	..Overlapping vanes or baffles	398	.Ejection of residue container or separating unit (e.g., filter or bag, etc.)
359	..Moving centrifugal separator	399	.Gas cutoff or diversion
360	..Impact vane, baffle, or wall	400	..Gas pressure responsive means
361	..Filter	401	...And temperature responsive means
362	...Perforated plate	402	...Plural gas pressure responsive means
363	...Mesh or fabric screen	403	...For vacuum producing means (e.g., vacuum cleaner, etc.)
364	...Fibrous or filamentary pad	404	..Collecting bag presence responsive means
365	..And preliminary separating means	405	..By response to accumulated separated liquids or solids
366	.Deflector upstream of liquid contact means	406	...By float
367	..Imperforate, impermeable baffle	407	..Temperature or humidity responsive
368	...Conical	408	.Regulation of separated constituent discharge
369	...Ribbed or corrugated	409	..By liquid accumulation responsive float
370	...Angled or inclined	410	...Side discharge from reservoir
371	.Filter upstream of liquid contact means	411	....Control valve in line external to reservoir
372	<b>INCLUDING INLET MEANS FOR DIVERSE GAS OR SOLID FOR GAS TREATMENT</b>	412	...Control valve in external bottom discharge line from reservoir
373	.Solid or vaporized solid	413	<b>WITH SAMPLING MEANS</b>
374	.Steam is diverse gas	414	<b>WITH INSPECTION MEANS</b>
375	..Added into combustion products	415	.Translucent
376	..To effect particle removal (e.g., dust removal, etc.)	416	.Transparent
377	.And outlet for condensed vapors	417	<b>WITH SIGNALS, INDICATORS, MEASURING, OR TESTING MEANS</b>
378	.Downstream of separator	418	.Light signal
379	.And gas regulation for each inflowing gas	419	.Sound signal
380	<b>WITH SOUND DAMPING MEANS (I.E., NOISE ATTENUATION)</b>	420	.Temperature measuring means
381	.Sound absorbing material	421	.Pressure measuring means
382	..For vacuum cleaner	422	.Gas flow rate measuring means
383	..For internal combustion engine	423	.Position measuring means
384	.Sound attenuating gas flow path	424	<b>WITH TIMING OR CHANGEABLE PROGRAMMING MEANS</b>
385	..Baffle in flow path	425	.Of cleaning mechanism for separating media
386	...For internal combustion engine	426	..Sequential cleaning of plural separating media
387	..Perforated surface	427	...Multiple bag-type filters in chamber
388	..Expansion chamber	428	..For control of pneumatic reverse flushing
389	<b>SONIC MEANS (I.E., USING SOUND WAVES)</b>	429	.For advancing filter media
390	<b>SHELF OR EDGE TYPE</b>		
391	.Helical or spiral wound strip		
392	.Parallel plates or discs		
393	..Grooved or slotted		
394	..Having fibrous filter material or porous structure		
395	.Nap-like or pile-like material		
396	<b>WITH DRIP OR ESCAPING MATERIAL, OTHER THAN SEPARATED CONSTITUENT, COLLECTOR</b>		
397	<b>WITH CONTROL MEANS RESPONSIVE TO SENSED CONDITION FOR CONTROL OF GAS FLOW OR NONGASEOUS CONSTITUENT DISCHARGE</b>		

Class 55 is an integral part of this Class (Class 96), as shown by the position of this box, and follows the schedule hierarchy of this Class, retaining all pertinent definitions and Class lines of this class.

#### **FOREIGN ART COLLECTIONS**

##### **FOR 000 CLASS-RELATED FOREIGN DOCUMENTS**

Any foreign patents or non-patent literature from subclasses that have been reclassified have been transferred directly to FOR Collections listed below. These Collections contain ONLY foreign patents or non-patent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

##### **FOR 100 COLD WALL-HOT WALL THERMAL DIFFUSION TYPE SEPARATOR (55/ 209)**

##### **FOR 101 WITH AUTOMATIC CONTROL MEANS FOR GAS OR NONGASEOUS CONSTITUENT DISCHARGE (55/210)**

FOR 102 .Ejection of residue container or separating unit (e.g., filter or bag) (55/211)

FOR 103 .Gas cutoff or diversion (55/212)

FOR 104 ..Gas pressure responsive separate reactor surface means (55/213)

FOR 105 ..Bag presence responsive means (55/214)

FOR 106 ..By response to accumulated separated liquids (55/215)

FOR 107 ...By float (55/216)

FOR 108 ..Temperature or humidity responsive (55/217)

FOR 109 .Regulation of separated constituent discharge (55/218)

FOR 110 ..By liquid accumulation responsive float (55/219)

##### **FOR 111 WITH LIQUID CONTACTING MEANS (E.G., GAS OR MEDIA CLEANING) (55/220)**

FOR 112 .With indirect heat exchange means for gas (55/222)

FOR 113 .Diverse means for contacting or applying liquid (55/223)

FOR 114 .For portion of total gas flow (55/224)

FOR 115 .Liquid control responsive to flowing gas force (55/225)

FOR 116 .With means varying gas flow to control saturation or dispersion (55/226)

FOR 117 .With treating liquid automatic control or level maintaining means (55/227)

FOR 118 .With treating liquid conditioning or separating means (55/228)

FOR 119 .With means to control liquid return flow to supply or sump (55/229)

FOR 120 .Movably mounted liquid distributor (e.g., moving nozzle) (55/230)

FOR 121 ..Distributor is gas contacting means (e.g., wet pad) (55/231)

FOR 122 ...With distributor immersing means (55/232)

FOR 123 .Liquid applied to particulate or porous media for gas contact (55/233)

FOR 124 ..Media extends into bath (55/234)

FOR 125 .With fixed gas whirler or rotator means for gas separation (55/235)

FOR 126 ..Liquid applied in central of concentric flow paths (55/236)

FOR 127 ..Liquid contact preceding or within whirler or rotator means (55/237)

FOR 128 ...Spray or film contact (55/238)

FOR 129 ..Reversal of gas flow by surface of body of liquid (55/239)

FOR 130 .With means forming flowing liquid film or sheet for gas contact (55/240)

FOR 131 ..On impervious backing (e.g., corrugated plates) (55/241)

FOR 132 .With liquid cleaning or flushing means for media (55/242)

FOR 133 ..Immersion cleaning (55/243)

FOR 134 .Gas flow contacts liquid bath (55/244)



- FOR 135 ..With back pressure relief or auxiliary liquid trap or baffle (55/245)
- FOR 136 ..With antisplash means or means for retaining liquid during upset or tilt (55/246)
- FOR 137 ..With movable means in bath for commingling gas and liquid (55/247)
- FOR 138 ..Separator positioned above liquid bath (55/248)
- FOR 139 ...With means for forming liquid into a spray or heap (55/249)
- FOR 140 ...Superposed filter (55/250)
- FOR 141 ....With flow guide preventing entire leading surface contact (55/251)
- FOR 142 ....Surrounding gas flow path (55/252)
- FOR 143 .....With separable liquid sump (55/253)
- FOR 144 .....With anticreep means (55/254)
- FOR 145 ....Submerged inlet for subsurface contact of liquid (55/255)
- FOR 146 ..Submerged inlet for subsurface contact (55/256)
- FOR 147 .Gas separating means downstream of contacting means (55/257.1)
- FOR 148 ..Parallel vanes (55/257.2)
- FOR 149 ..Overlapping vanes (55/257.3)
- FOR 150 ..Centrifugal (55/257.4)
- FOR 151 ..Impact plate (55/257.5)
- FOR 152 ..Perforated plate (55/257.6)
- FOR 153 ..Heat exchange (55/257.7)
- FOR 154 ..With preliminary separating means (55/258)
- FOR 155 ..Filter type separating means (55/259)
- FOR 156 .With deflecting means preliminary to liquid contact (55/260)
- FOR 157 **WITH INLET MEANS FOR DIVERSE FLUID OR SOLID FOR GAS TREATMENT (55/261)**
- FOR 158 .Solid or vaporized solid (55/262)
- FOR 159 .Steam (55/263)
- FOR 160 .With outlet for condensed vapors (55/264)
- FOR 161 .Downstream of separator (55/265)
- FOR 162 .With flow control for each inflow gas (55/266)
- FOR 163 **WITH HEATING OR COOLING MEANS FOR GAS, OR WITH INSULATION (55/267)**
- FOR 164 .Two confined fluids in indirect contact (55/268)
- FOR 165 ..Heat exchanger is part of separator or is contiguous therewith (55/269)
- FOR 166 **WITH SAMPLING, WEIGHTING, TESTING, OR METERING MEANS (55/270)**
- FOR 167 **WITH TIMING OR CHANGEABLE PROGRAMMING MEANS (55/271)**
- FOR 168 .Of cleaning mechanism for media (55/272)
- FOR 169 ..Sequential cleaning of plural units (55/273)
- FOR 170 **WITH SIGNALS AND INDICATORS (E.G., INSPECTION MEANS) (55/274)**
- FOR 171 .Moisture sensitive (55/275)
- FOR 172 **WITH SOUND DAMPING OR ACOUSTICAL MEANS (I.E., NOISE ATTENUATION) (55/276)**
- FOR 173 **SONIC TYPE (55/277)**
- FOR 174 **SHELF OR EDGE TYPE (55/278)**
- FOR 175 **WITH STERILIZING MEANS (55/279)**
- FOR 176 **WITH DRIP OR ESCAPING MATERIAL COLLECTOR (NOT OF SEPARATED CONSTITUENT AS SUCH) (55/280)**

