

1	<b>MISCELLANEOUS</b>	155	..Contact fluid passage surrounds external fluid flow passage
2	<b>WITH LIQUID SEPARATIONS</b>		
3	.In circuit	156	..Fins or deflectors in contact fluid passage of heat exchanger
4	.On inlet		
5	.Filtering		
6	..Unitary structure	157	..With heat exchange means for feed fluid
7	.Decanting		
8	..Unitary structure	158	<b>INDIRECT INTERCHANGE OR HEAT BETWEEN CONTACT FLUIDS</b>
127	<b>WITH EXTERNAL SUPPLY OR REMOVAL OF HEAT</b>	159	.Incoming fluid exchanges heat
128	.Processes	160	..With fluid at or downstream of contact zone
129	.Temperature or humidity sensor		
130	..Heat supply or removal control	161	...Incoming exchanging fluid is feed gas
131	.Automatic control of heat supply or heat effect	16	<b>MULTIPLE GAS</b>
133	..With mixer for supplementary gas and gaseous contactor product	17	.Furnace-gas type
134	..Pressure responsive supplementary gas supply means	18.1	<b>MULTIPLE DIVERSE LIQUIDS</b>
135	..With indicator or tester	18.2	.Water added to charge
136	.Combined	18.3	.Multiple fuels
137	.Interconnected heat supply and contact fluid flow controllers	18.4	.Antidetonant
138	.Diverse heat supply or removal means	19	<b>FLUID DISTRIBUTION</b>
139	..Electric heater	20	.Systems
140.1	..Refrigeration producer	21	..Series
140.2	..Absorption means	22	...Gas connections
141	.Heat producer	23.1	..Parallel
142	..Electric heater	23.2	...Carburetors
143	..Means burning contact product	23.3	....Stratified charge
144	...Internal combustion engine	23.4	....Rotary engine
145	....Engine fuel supply means heated by exhaust manifold	24	.Pumping
146	.Plural distinct contact zones	25	..Liquid operated
147	..Serially arranged in flow path	26	..Automatic control
148	...Counter flowing gas and liquid (e.g., absorption or rectification column)	27	...Liquid inlet
149	..Heat exchanger in flow path spaced from contact zones	28	..Gas and liquid
150	.Heat exchange means in one of plural liquid feed paths	29	...Liquid circuit
151	.Recirculating fluid	30	..Gas inlet
152	.Heat exchange means at or downstream of contact zone	31	...Churn type
153	..Gas exposed liquid body or sheet contacting heat exchanger	32	....Rotary dasher
154	..Porous type gas-liquid contactor exposed to heat exchanger	33	....Reciprocating dasher
		34.1	..Liquid
		34.2	...Accelerator pump
		34.3	....With thermostatic control
		35	...Gas operated
		36.1	...In circuit
		36.2	....Carburetor
		37	...Inlet
		38	.Valved
		39.1	..Thermostatic
		39.2	...With carburetor expansible fluid actuating means
		39.3	...With carburetor bimetallic actuating means
		39.4	...Carburetor spring linkage with temperature element

39.5	...Without carburetor choke means	64.5	...Float control
39.6	...With carburetor electrical heater	64.6	...Starting choke
40	..Multiple jet	65	..Gas outlet
41.1	...Progressive	66	..Liquid inlet
41.2	....With parallel carbureting passages	67	...Plural
41.3	.....With control of plural passages	68	....Float and manual
41.4	....Multiple jet manual control	69.1	...Gas pressure controlled
41.5	....Bypass opening beyond throttle	69.2	....Wet diaphragm
42	..Multiple valves	70	...Float controlled
43	...Connected	71	...Manual
44.1	....Contact space	72.1	.Liquid supply tank
44.2	.....Contact valve with hollow shaft supplying liquid	72.2	..Aviation carburetor
44.3	.....Traversely reciprocating air or mixture valve	73	..Barometric
44.4	.....Suction operated	74	.Contact receptacle
44.5	.....Longitudinally movable air or mixture valve	75	<b>CONTACT DEVICES</b>
44.6	.....Rotating air or mixture valve	76	.Injector type
44.7	.....Off-center pivoted	77	..Submerged blast
44.8	.....Cylinder or plug-valve type	78.1	.Atomizer type
44.9	.....Variable-shape passage	78.2	..Noncarburetor
45	....Gas by-pass	79.1	.Rotating gases
46	.....With gas inlet	79.2	..Noncarburetor
47	.....With gas outlet	80	.Traveling strip
48	.....With liquid inlet	81	.Reciprocating
49	....Liquid inlet	82	..Piston
50.1	.....With gas inlet	83	.Rotating
50.2	.....Suction operated gas inlet valve	84	..Impeller
50.3	.....Noncarburetor	85	...Hollow shaft
51	.....With gas outlet	86	....Gas trapping
52	....Gas inlet and outlet	87	....Gas delivering
53	...Contact space	88	....Liquid spraying
54	...Gas by-pass	89	...Sprayed
55	....With gas inlet	90	....Horizontal axis
56	....With gas outlet	91	...Dipping
57	....With liquid inlet	92	....Horizontal axis
58	...Liquid inlet	93	...Submerged blast
59	....With gas inlet	94	.Porous mass
60	....With gas outlet	95	..Surface contact
61	...Gas inlet and outlet	96	..Gas-flow control
62	..Contact space	97	..Liquid-flow control
63	..Gas by-pass	98	...Spray
64.1	..Gas inlet	99	...Capillary feed
64.2	...Anterior throttle	100	.Porous sheet
64.3	...Pressure control	101	..Surface contact
64.4	...Suction operated	102	...Gas-flow control
		103	...Liquid downflow
		104	...Capillary feed
		105	..Gas-flow control
		106	..Liquid downflow
		107	..Capillary feed
		108	.Wet baffle
		109	..Gas-flow control
		110	..Liquid-flow control
		111	...Spray

112.1 ...Film  
 112.2 ...Corrugated plates  
 113 ..Perforated baffles  
 114.1 ..Overflow baffles  
 114.2 ...Bubble caps  
 114.3 ...Jet plates  
 114.4 ...Valve tray  
 114.5 ...Tray construction  
 115 ..Liquid spray  
 116 ..Aspirating  
 117 ..Opposed  
 118 ..Transverse  
 119.1 ..Liquid tank  
 119.2 ..Carburetor  
 120 ..Floating distributor  
 121.1 ..Submerged blast  
 121.2 ...Minnow bucket  
 121.3 ...Carburetor vented nozzle  
 121.4 ....Air inlet valve  
 122.1 ...Submerged screen  
 122.2 ....With closable apertures  
 123 ...Submerged baffle  
 124 ..Multiple jet  
 125 ..Multiple receptacle  
 126 ..Upflowing gases

**FOREIGN ART COLLECTIONS**

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

**DIGESTS**

DIG 1 **AUXILIARY AIR INLET CARBURETORS**  
 DIG 2 **AIRPLANE**  
 DIG 3 **AIR COOLING**  
 DIG 4 **AUTO HUMIDIFIERS**  
 DIG 6 **BACKFIRE**  
 DIG 7 **CARBONATORS**  
 DIG 8 **CARBURETOR PRIMERS**  
 DIG 9 **FURNACE GAS SCRUBBERS**  
 DIG 10 **STEAM HEATERS AND CONDENSERS**  
 DIG 11 **COOLING TOWERS**  
 DIG 12 **CARBURETOR VENTURI**  
 DIG 13 **DESUPERHEATERS**  
 DIG 14 **DISPLAY STANDS**  
 DIG 15 **DUCT HUMIDIFIERS**  
 DIG 16 **CREAM WHIPPING**  
 DIG 17 **ODORIZERS**  
 DIG 18 **DASHPOTS**  
 DIG 19 **DEGASSERS**

DIG 20 **DEICERS FOR CARBURETORS**  
 DIG 21 **DRAWING EXCESS FUEL FROM  
 CARBURETING PASSAGE**  
 DIG 22 **FAUCET AERATORS**  
 DIG 23 **FUEL FEEDING VALVES**  
 DIG 24 **FUEL FEEDING VALVE RETAINING**  
 DIG 25 **FUEL SPREAD OUT INTO A FILM**  
 DIG 26 **FOAM**  
 DIG 27 **GAS CIRCULATED IN CIRCUIT**  
 DIG 28 **BLOOD OXYGENATORS**  
 DIG 29 **HEATERS SUBMERGED IN LIQUID**  
 DIG 30 **TRAY HEATERS**  
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 CHOKE TUBE (ALONG AIR PASSAGE)**  
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 CHOKE TUBE HAVING MOVABLE  
 PARTS**

DIG 63 **LONGITUDINALLY RECIPROCATING  
CHOKE TUBE, THROTTLE-OPERATED**

DIG 64 **LONGITUDINALLY RECIPROCATING  
CHOKE TUBE, SUCTION-OPERATED**

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DIG 86 **COOLING TOWER ICE PREVENTION**

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DIG 89 **.Electrically heated aroma  
dispensers**