ACETYLENE

1. Generation and liquefaction
2. Generator and mixer
3. Generator and holder
3 A. Special features
4. Generators
4.1. Water feed
5. Generator and mixer
5.1. Holder operated
6. Series
7. Automatic switch
8. Cell series
9. Gasometer and high-pressure holder
10. Interior valve
11. Rotary cylinder
12. Underfeed
13. Valveless
14. Displacer
15. Flexible tube
16. Generator supported
17. Siphon
18. Tilting
19. Ebb and flow
20. Series
21. Cell series
22. Concentric
23. Series
24. Cell series
25. Capillary
26. Adjustable
27. Percolating
28. Pressure valves
29. Expansible carbide container
30. Expansible water holder
31. Inexpansible gas holder and water feed
32. R. Oscillating
32 A. Floating generator or carbide container
32 B. With inversion to contact carbide
33. Rotary cylinder
34. Rotary grate
35. Underfeed
36. Interlocking devices
37. Pressure valves
38. Carbide feed
39. Apron or belt
40. Cock
41. Dip
42. Cell series
43. Flap valve
44. Hand
45. Dip
46. Measured charges
47. Carbides
48. Rotary carrier
49. Vertical
50. Stationary
51. Piston
52. Plate valve
53. Pop valve
53.1. Bell operated
53.2. Bell and holder combined
53.3. Diaphragm operated
53.4. Float operated
54. Screw
55. Slide valve
56. Valves, gas and water feed
57. Automatic safety escape
58. Sludge remover
59. Carbide cartridges
60. Conglomerate
61. GENERATORS
62. Hydrogen
62 R. Cupola
63. Air and steam injected
64. Superheated
65. Electric
66. Rotary bottom
67. Water jacket
68. Rotary bottom
69. Water-seal pit
70. Refractory filling
71. Oil gas
72. Coal, oil and water
73. Coal and oil
74. Coal and water
75. Producers
76. Coal
77. Water
78. Coal
79. Carburetor
80. Fixer
81. Retort
82. Up-and-down run
83. Interlocking valves
84. Oil gas
85. Carbon monoxide
85.1. Movable wall
85.2. Stirrer
86 R. Chargers
86 A. Gas making underfeed

December 2010
CLASS 48 GAS: HEATING AND ILLUMINATING

87 ..Accessories
62 A ..Partial combustion carburetor
89 ..Retort
98 ..Coal, oil and water
99 ..Coal and water
100 ..Coal and oil
101 ..Coal
102 R ..Oil
103 ...Electric heater
104 ...Jet mixers
105 ...Steam injected
106 ...Automatic feed
107 ...Air injected
102 A ...Utilizing heat from exhaust gases
108 ...Water
109 ...Carburetor
110 ...Oil gas
111 ...Wood
112 ...Oil
92 ..Metal bath
93 ..Oil and gas injected
94 ..Oil and steam injected
95 ...Air
96 ...Carburetor
90 ...Domestic plants
113 ...Furnaces
118.5 ...Portable
119 RETORTS
120 ...Compounds
122 ...Inclined
123 ...Vertical
124 ...Lids
126 ...Attachments
127.1 CONVERSION OF HYDROCARBON GAS AND BLENDING OF PRODUCT WITH FURTHER HYDROCARBON GAS, PROCESS
127.3 METHANE (NATURAL GAS) -CONTAINING PRODUCT, OR TREATMENT OR RECOVERY PROCESS
127.5 ...Process including chemical reaction
127.7 ...Catalytic
127.9 APPARATUS FOR CONVERTING OR TREATING HYDROCARBON GAS
144 CARBURETORS
160 ...Gravity
128 PURIFIERS
170 CENTER AND BY-PASS VALVES
173 EXHAUSTERS
174 HOLDERS
175 ...High-pressure safety escape
176 ...Bell and tank
177 ...Sectional bell
178 ...Collapsible
179 ...Tank
180.1 MIXERS
181 ...Bell and tank
182 ...Anterior
183 ...Posterior
184 ...Diaphragm
185 ...Gravity
186 ...Pump
187 ...Rotary drum
188 ...Anterior
189 ...Posterior
189.1 ...Three or more different fluids entering apparatus
189.2 ...With heating means
189.3 ...Auxiliary air inlet
189.4 ...Mixer in flow path of existing mixture
189.5 ...Rotating mixer
189.6 ...Includes element made of engaged strands or fibers, e.g., screen, fabric, etc.
190 DISTRIBUTION
191 ...Regulating pressure
192 ...Safety devices
193 ...Leakage
194 ...Preventing
195 ...Odorizers
197 R PROCESSES
198.1 ...Manufacture from methane (natural gas)
198.2 ...Employing carbon particles, porous barrier element or molten material
198.3 ...With specified treatment of converted product, e.g., purification, particular cooling, testing, etc.
198.4 ...Employing oxygen donor particles or carbidable metal particles
198.5 ...Specified direction of gas travel through particle mass, e.g., fluidization, flow reversal, etc.
198.6 ...Employing catalytic particles
198.7 ...With specified reactant velocity, angle of entry to reactor or mechanical energy production, e.g., use of internal combustion engine, etc.
.Hydrogen
199  R  ..Carbureting
199  FM  ...Fuel mixtures
200  .Coal, oil and water
201  .Coal and oil
202  .Coal and water
203  .Producer
204  .Water
205  ..Carbureting
206  ..Continuous
207  ..Down run
208  ..Up-and-down run
209  .Wood
210  .Coal
211  .Oil
212  ..Air injected
213  ..Gas injected
214  R  .Oil and steam injected
215  ..Air
214  A  ..Catalytic processes
216  .Acetylene
217  ..Slow
219  .Carbureting
197  FM  .Fuel mixtures
197  A  .Sewage treatment

FOREIGN ART COLLECTIONS

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

DIGESTS

DIG 1  RECIRCULATION OF GASES PRODUCED TO LOWER PART OF FUEL BED
DIG 2  SLAGGING PRODUCER
DIG 3  HIGH PRESSURE
DIG 4  POWDERED FUEL INJECTION
DIG 5  DIFFUSION MEMBRANE FOR GAS REACTION OR SEPARATION
DIG 6  UNDERGROUND GASIFICATION OF COAL
DIG 7  SLURRY
DIG 8  INTERNAL COMBUSTION ENGINE FOR GAS MAKING
DIG 9  SOLAR GASIFICATION
DIG 10 COMPUTER RESISTED CONTROL