

Bottoming Cycle Power System Reference Nos.

17 10 12 Bottoming Cycle Power System Reference Nos.

FIG. 1

100	combined power system (FIG. 1)
102	grid
104	primary power system
106	bottoming cycle power system
108	internal combustion engine
110	engine crankshaft
112	primary electric generator
114	first conductive path
116	second conductive path
118	turbine expander
120	expander crankshaft
122	exhaust gas
124	turbine compressor
126	bottoming cycle generator
128	absorption chiller system
130	condensed water
132	generator section
134	condenser section
136	evaporator section
138	absorber section
140	first heat exchanger
142	second heat exchanger
144	concentrated refrigerant solution
146	first flow of steam
148	liquid water
150	condenser cooling coils
152	cooling tower
154	orifice
156	second flow of steam

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- 158 dilute refrigerant solution
- 160 solution pump
- 162 tubing between generator and absorber
- 164 absorber cooling coils
- 166 water separator system
- 168 water pump
- 170 water tank

FIG. 2

- 200 alternative embodiment of combined power system (FIG. 2)
- 202 third heat exchanger
- 204 liquid coolant
- 206 liquid coolant pump