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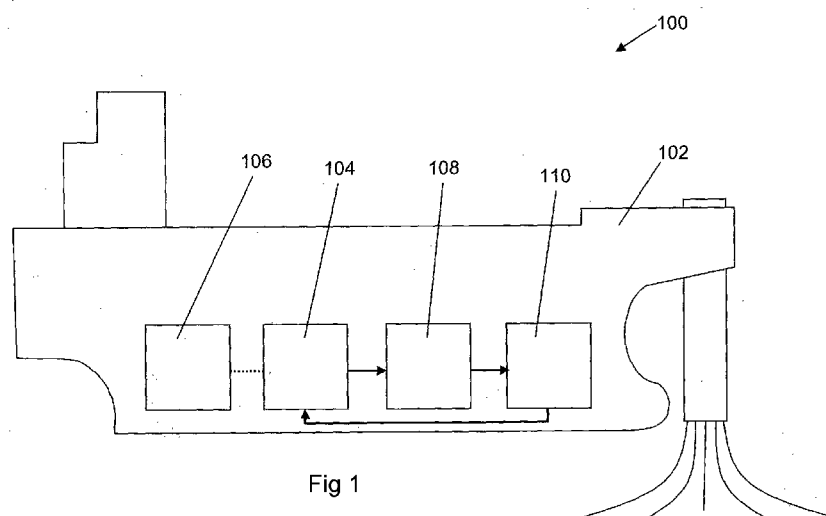


Fig 1

(57) Abstract: An offshore facility (100) comprising a floating platform (102); a metal processing apparatus (104) disposed on the floating platform; and a power management module (106) adapted to manage and provide a stable power supply to the metal processing apparatus. The offshore facility (100) may also include a power generation system, comprising a plurality of wind turbines (304) and/or a gas turbine (710), for supplying the metal processing apparatus which optionally includes a furnace (108). The offshore facility (100) may further include an LNG regasification facility and a mooring system (306) configured to supply gas or electrical power from the floating platform to another location.

