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(54) Title: A THERMAL SYSTEM FOR A MARINE VESSEL, SUCH SYSTEM INSTALLED IN A MARINE VESSEL, A MARINE VESSEL COMPRISING THE THERMAL SYSTEM, A METHOD OF CONTROLLING A THERMAL SYSTEM, AND A CONTROL DEVICE

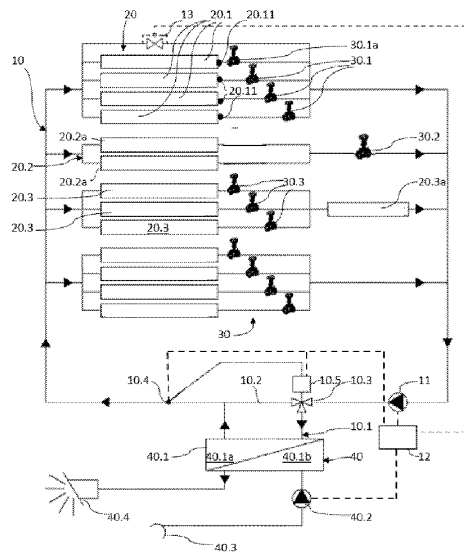


Fig. 1

(57) Abstract: A thermal system for a marine vessel, comprises a thermal liquid circuit (10); a pump system (11) for circulating a thermal liquid in the thermal liquid circuit (10); a number of thermal consumers (20), said thermal consumers (20) being arranged in parallel in said thermal liquid circuit (10), and said thermal consumers (20) being arranged in series with respective Pressure Independent Control Valves (PICVs) (30); and a control device (12) for controlling the pump system (11). A differential pressure sensor (13) is adapted to sense a differential pressure indicative for the differential pressure over a critical one of said Pressure Independent Control Valves (30.1a), and a signal from said differential pressure sensor (13) is used by the control device (12) as basis for controlling the pump system.

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