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(54) Title: AN AIR SUPPLY SYSTEM FOR A HULL OF A VESSEL AND A VESSEL COMPRISING THE AIR SUPPLY SYSTEM

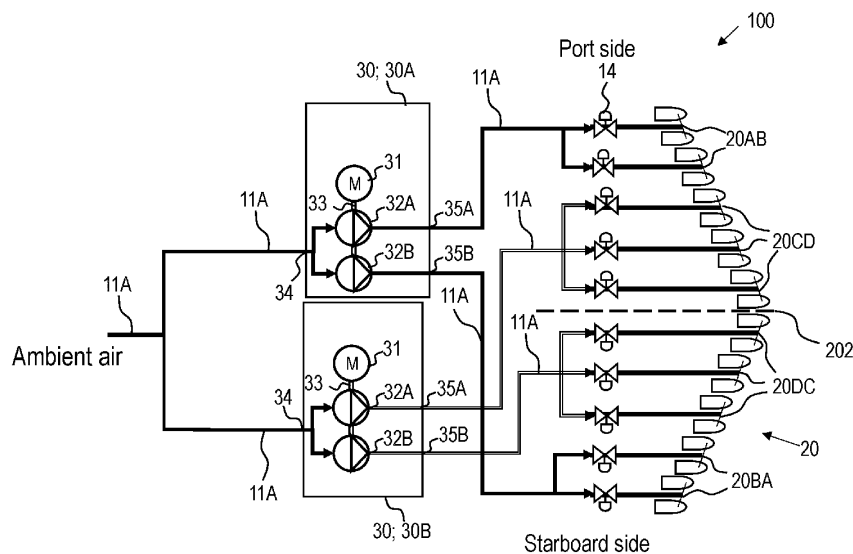


Fig. 2

(57) **Abstract:** Disclosed is an air supply system (100) for supplying air to an outside of a hull of a vessel. The air supply system (100) comprises a plurality of air discharge units, ADUs, (20) for releasing a compressed air flow to the outside of the hull below a waterline of the vessel, wherein the plurality of ADUs (20) are configured to be arranged around a longitudinal centre line (202) of the hull of the vessel. The air supply system (100) comprises a first flow path (11A) for providing the compressed air flow to the ADUs (20). The air supply system (100) comprises one or more pressure control device(s) (30) arranged in the first flow path (11A) for feeding the compressed air flow to the ADUs (20) at pressure larger than a discharge pressure at the ADUs (20). Each pressure control device (30) comprises an inlet (34) for receiving an inlet air flow, a first outlet (35A) and a second outlet (35B) for feeding the air flow to a subset of the plurality of ADUs (20AB, 20BA; 20CD, 20DC). The first outlet (35A) is connected to a first subset of ADUs (20AB; 20CD).

[Continued on next page]

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arranged on a first side of the longitudinal centre line (202) of the hull (201) of the vessel (200) and the second outlet (35B) is connected to a second subset of ADUs (20BA; 20DC) arranged on a second, opposite, side of the longitudinal centre line (202) of the hull of the vessel. The one or more pressure control device(s) (30) is/are configured to compensate for a difference in discharge pressure between the first subset of ADUs (20AB; 20CD) and the second subset of ADUs (20BA; 20DC).