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(54) Title: MARINE VESSEL OPERATING IN ICE-COVERED WATERS

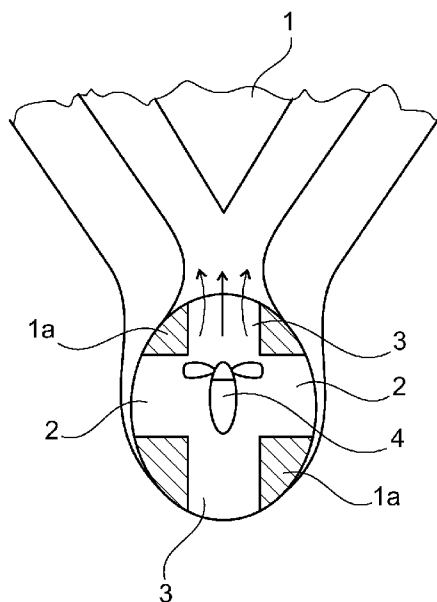


Fig. 2

(57) Abstract: A marine vessel operating in ice-covered waters, having its hull (1) provided with a bulbous bow (1a) or a corresponding protruding part located at least for the most part below a load waterline (A). The bulbous bow (1a) or the corresponding protruding part is provided with a channel system, comprising a first channel part (2; 2a, 2b; 2') extending in a substantially horizontal direction through the bulbous bow (1a) or the corresponding protruding part transversely relative to a longitudinal axis of the vessel, and a second channel part (3; 3a, 3b) extending through the bulbous bow (1a) or the corresponding protruding part at least substantially from below to above the bulbous bow (1a) or the corresponding protruding part. The bulbous bow (1a) or the corresponding protruding part is additionally provided with pump elements, a propeller (4), or the like, which are adapted to generate a powerful flow of water arranged to be directed by way of either one of said channel parts (2; 2a, 2b; 2'; 3, 3a, 3b) as required by each operation and need of the vessel.



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