

EUROPEAN PATENT APPLICATION

Application number: 81300872.9

Int. Cl.³: **B 63 H 25/42, B 63 H 25/08**

Date of filing: 03.03.81

Priority: 10.03.80 JP 29897/80

Applicant: **ISHIKAWAJIMA SHIP & CHEMICAL PLANT CO., LTD., 3-43, Shinsuna 2-chome Koto-Ku, Tokyo (JP)**

Date of publication of application: 16.09.81
Bulletin 81/37

Inventor: **Ishida, Minoru, 19-17, Takamatsu 1-Chome Nerima-Ku, Tokyo (JP)**

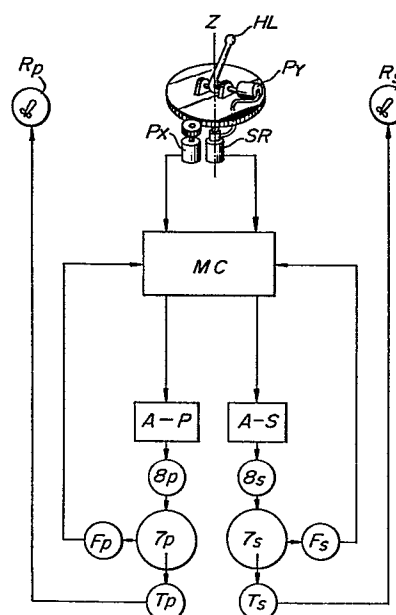
Designated Contracting States: **DE FR GB NL SE**

Date of deferred publication of search report: 03.02.82 Bulletin 82/5

Representative: **Haggart, John Pawson et al, Page, White & Farrer 27 Chancery Lane, London, WC2A 1NT (GB)**

Ship maneuvering gear.

Ship maneuvering gear for a ship having two 360°-turning propellers disposed symmetrically relative to the ship's central bow-stern line, has a rotatable hand lever (HL) and an arithmetic circuit (MC) which responds to the rotation of the hand lever. When the hand lever (HL) is rotated by an angle relative to the ship's bow-stern direction, the output from the arithmetic circuit (MC) controls the orientations of the two propellers so that the composite propulsive power of the two propellers causes the ship to move in a lateral or obliquely lateral direction without causing any turn of the ship, which direction is in agreement with said angle of rotation of the hand lever.





European Patent
Office

EUROPEAN SEARCH REPORT

0035859
Application number
EP 81 30 0872

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
	<u>GB - A - 1 473 063</u> (NIIGATA) * Whole document * -- <u>FR - A - 2 010 500</u> (GEHLEN) * Page 4, lines 35,36; page 7, line 32 - page 12, line 1; figures 3-5 * & GB - A - 1 232 519 -- <u>FR - A - 713 655</u> (VOITH) * Whole document * ----	1,2,5-12 1-3 3	B 63 H 25/42 25/08 TECHNICAL FIELDS SEARCHED (Int. Cl.³) B 63 H CATEGORY OF CITED DOCUMENTS X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons &: member of the same patent family, corresponding document
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
The Hague	30-10-1981	DE SCHEPPER	