

Title (en)
Ship maneuvering gear.

Title (de)
Vorrichtung zum Steuern von Schiffen.

Title (fr)
Dispositif de pilotage d'un bateau.

Publication
EP 0035859 A2 19810916 (EN)

Application
EP 81300872 A 19810303

Priority
JP 2989780 A 19800310

Abstract (en)
Ship maneuvering gear for a ship having two 360 DEG -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.

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IPC 8 full level
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CPC (source: EP)
B63H 25/08 (2013.01); **B63H 25/42** (2013.01); **B63H 2025/026** (2013.01)

Cited by
DE3222054A1; CN116062115A; EP0732261A1; CN1039530C; US6687579B2; EP1792825A3; US5031561A; US11472531B2; US6865996B2; WO2006062416A1; WO2010115647A1; WO03026955A3; US7641525B2; US8480445B2; US6386930B2; US6230642B1; US6308651B2; US6604479B2; US6234100B1; US6401644B2; US6447349B1; US6453835B2; US8126602B2; US8392040B2; US8849484B2; US7052338B2; US7168996B2; US7347752B2; US7216599B2; US7972187B2; US8858278B2; US7500890B2; US7222577B2; US7993172B2; US8435087B2; US8678869B2; US8690616B2; US9290257B2; US10435131B2; US7601040B2; US7037150B2; US8069802B2; US8613634B2; US8631753B2; US9096300B2; US9233740B2; US9481441B2; US9937994B2

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