Title (en)

Device and method for controlling the speed of a ship

Title (de)

Vorrichtung und Verfahren zur Geschwindigkeitsregelung eines Schiffes

Title (fr)

Dispositif et procédé de réglage de la vitesse d'un navire

Publication

EP 0722884 B1 20001213 (FR)

Application

EP 96400103 A 19960116

Priority

FR 9500589 A 19950119

Abstract (en)

[origin: EP0722884A1] The engines (1,2) are coupled selectively by clutches (3,4) to a common speed redn. gear (5) having a single output gearwheel (11) which drives the propeller shaft (7). The friction brake (6) is constituted by a disc (13) which can be immobilised by grippers (14) to prevent rotation of an input gearwheel (12) in mesh with the output gearwheel. Actual speed of the ship, and parameters representing the operating conditions of the engines, gearing, brake, clutches and propeller, are measured and compared with desired values. Optimal control commands are deduced so that the max. performance obtd. from the engines, clutches and brake does not exceed specified limits.

IPC 1-7

B63H 21/14; B63H 21/22; B63H 23/30

IPC 8 full level

B63H 21/14 (2006.01); **B63H 21/21** (2006.01); **B63H 21/22** (2006.01); **B63H 23/16** (2006.01); **B63H 23/30** (2006.01); **B63H 23/35** (2006.01)

CPC (source: EP KR US)

B63H 21/00 (2013.01 - KR); **B63H 21/14** (2013.01 - EP US); **B63H 21/22** (2013.01 - EP US); **B63H 23/30** (2013.01 - EP US); B63H 2023/328 (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

DE DK ES FR GB IT NL SE

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EP 0722884 A1 19960724; **EP 0722884 B1 20001213**; BR 9600161 A 19980106; CN 1065828 C 20010516; CN 1137462 A 19961211; DE 69611188 D1 20010118; DE 69611188 T2 20010719; DK 0722884 T3 20010212; ES 2153542 T3 20010301; FI 960236 A0 19960117; FI 960236 A 19960720; FR 2729637 A1 19960726; FR 2729637 B1 19970418; JP H08230788 A 19960910; KR 960029195 A 19960817; NO 960204 D0 19960117; NO 960204 L 19960722; PL 179390 B1 20000831; PL 312396 A1 19960722; US 5618211 A 19970408

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EP 96400103 A 19960116; BR 9600161 A 19960119; CN 96100696 A 19960119; DE 69611188 T 19960116; DK 96400103 T 19960116; ES 96400103 T 19960116; FI 960236 A 19960117; FR 9500589 A 19950119; JP 786096 A 19960119; KR 19960001112 A 19960119; NO 960204 A 19960117; PL 31239696 A 19960119; US 58793096 A 19960117