

Title (en)

MARINE CONTRA-ROTATING PROPELLER APPARATUS

Publication

EP 0132220 B1 19880107 (EN)

Application

EP 84730077 A 19840710

Priority

- JP 11012883 U 19830718
- JP 18957283 A 19831011

Abstract (en)

[origin: EP0132220A1] A marine contra-rotating propeller apparatus for propelling a ship by contra-rotating propellers is characterized by the provision of an inner shaft having one end directly coupled to an output shaft (9) of a main diesel engine (7) and the other end to which a stern-side propeller (1) is mounted and an outer shaft having one end coupled to the inner shaft through a reversing transmission mechanism (20) and an elastic coupling (6) and the other end to which a bow-side propeller (2) is mounted.

IPC 1-7

B63H 5/10

IPC 8 full level

B63H 5/10 (2006.01); **B63H 21/00** (2006.01); **B63H 23/32** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP KR)

B63H 5/10 (2013.01 - EP); **B63H 21/00** (2013.01 - KR); **B63H 23/321** (2013.01 - EP); **B63H 2023/323** (2013.01 - EP); **F02B 3/06** (2013.01 - EP)

Cited by

EP2848517A4; CN109229274A; CN102325692A; EP0246609A1; US4828518A; EP2202143A1; EP1069043A3; EP0605072A1; US5441388A; EP0418599A1; EP2230171A4; EP0219145A1; CN114147479A; US9751603B2; WO9749604A1; US8739656B2; WO2010094549A1

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EP 0132220 A1 19850123; **EP 0132220 B1 19880107**; CA 1231008 A 19880105; DE 3468389 D1 19880211; ES 534393 A0 19850601; ES 8505880 A1 19850601; KR 850001108 A 19850316; KR 890001753 B1 19890519

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