

Title (en)

Marine contra-rotating propeller apparatus.

Title (de)

Vorrichtung für gegenläufige Schiffsschrauben.

Title (fr)

Dispositif d'hélice maritime contre-rotative.

Publication

EP 0132220 A1 19850123 (EN)

Application

EP 84730077 A 19840710

Priority

- JP 11012883 U 19830718
- JP 18957283 A 19831011

Abstract (en)

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

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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)

Citation (search report)

- [Y] GB 538731 A 19410814 - JOSEPH BROWN
- [Y] GB 1310472 A 19730321 - CLEFF P H
- [A] US 1330145 A 19200210 - SHERWOOD STARR K
- [A] US 3087553 A 19630430 - KOSTYUN PAUL M
- [A] US 2216013 A 19400924 - KENNEY CLARENCE E
- [A] CH 185336 A 19360715 - SCHMIDLIN JULES [CH]
- [A] DE 2519028 A1 19761111 - VATTEROTT KARL HEINZ DIPL ING
- [A] US 2482460 A 19490920 - BROWNE KENNETH A

Cited by

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

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