

Title (en)

COURSE-STABLE, FAST, SEAGOING SHIP COMPRISING A HULL THAT IS OPTIMIZED FOR A RUDDER PROPELLER

Title (de)

KURSSTABILES, SCHNELLES, SEEGEHENDES SCHIFF MIT EINEM FÜR EINEN RUDERPROPELLER OPTIMIERTEN RUMPF

Title (fr)

BATEAU RAPIDE ALLANT EN MER ET A STABILITE DE ROUTE, A COQUE OPTIMISEE POUR UNE HELICE DE GOUVERNAIL

Publication

EP 1177129 B1 20040414 (DE)

Application

EP 00940173 A 20000510

Priority

- DE 0001454 W 20000510
- DE 9901422 W 19990511
- DE 19928961 A 19990624
- DE 9901842 W 19990624
- DE 29913498 U 19990803
- DE 20003451 U 20000225
- DE 0000537 W 20000225

Abstract (en)

[origin: WO0068072A1] The invention relates to a course-stable, fast, seagoing ship comprising a hull that is optimized for a rudder propeller. The inventive ship has a hull designated for accommodating cargo or passengers and has at least one rotatable, preferably electric rudder propeller (POD) (6) which is arranged under the hull of the ship in a gondola-like manner and which comprises at least one motor generator unit for supplying power. Said motor generator unit is arranged in the hull of the ship, whereby the hull of the ship has, at least in part, a bottom (11) which slopes upward approximately to both sides of the hull. The front portion of the hull is designed to stabilize the course and movement of the ship and terminates underwater, in particular, with a relatively narrow bow (2) comprising a bulb (3). In addition, a flow guide body (skeg) (8) which is provided for optimizing the maneuverability characteristics as well as for optimizing the flow against the rudder propeller (6) is arranged in front of each rudder propeller. Said flow guide body has a volume of displacement for the water flowing against the respective rudder propeller.

IPC 1-7

B63H 23/24; **B63H 1/12**; **B63H 5/16**; **B63B 1/04**

IPC 8 full level

B63H 25/42 (2006.01); **B63B 1/04** (2006.01); **B63B 1/06** (2006.01); **B63B 1/08** (2006.01); **B63B 1/32** (2006.01); **B63B 25/00** (2006.01); **B63H 1/12** (2006.01); **B63H 5/08** (2006.01); **B63H 5/125** (2006.01); **B63H 5/16** (2006.01); **B63H 21/22** (2006.01); **B63H 23/24** (2006.01); **B63H 5/10** (2006.01)

CPC (source: EP)

B63B 1/042 (2013.01); **B63B 25/008** (2013.01); **B63H 1/12** (2013.01); **B63H 5/125** (2013.01); **B63H 5/16** (2013.01); **B63H 21/22** (2013.01); **B63H 23/04** (2013.01); **B63H 23/24** (2013.01); **B63B 35/54** (2013.01); **B63H 5/08** (2013.01); **B63H 5/10** (2013.01); **B63H 21/14** (2013.01); **B63H 21/17** (2013.01); **B63H 2005/1256** (2013.01); **B63H 2005/1258** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0068072 A1 20001116; AT E264217 T1 20040415; AU 5520900 A 20001121; CA 2373462 A1 20001116; EP 1177129 A1 20020206; EP 1177129 B1 20040414; ES 2219352 T3 20041201; JP 2003514702 A 20030422

DOCDB simple family (application)

DE 0001454 W 20000510; AT 00940173 T 20000510; AU 5520900 A 20000510; CA 2373462 A 20000510; EP 00940173 A 20000510; ES 00940173 T 20000510; JP 2000617069 A 20000510