

Title (en)
Steering arrangement for watercraft

Title (de)
Vorrichtung zur Veränderung der Fahrtrichtung eines Wasserfahrzeugs

Title (fr)
Dispositif pour gouverner des embarcations

Publication
EP 1108645 A3 20020925 (DE)

Application
EP 00127197 A 20001213

Priority
DE 19960577 A 19991215

Abstract (en)
[origin: EP1108645A2] The device has a drive with a flow dynamic gondola-like underwater housing (2) outside the vehicle's (1) body, attached to it by a shaft with a drive shaft protruding from at least one end, rotatably mounted in the housing and carrying an external propeller. The direction of travel is altered without altering the housing position using an arrangement (8,9) that acts on the water flowing (5) around it with a fluid forced out of the housing.

IPC 1-7
B63H 25/42; **B63H 25/48**; **B63H 5/125**

IPC 8 full level
B63H 25/42 (2006.01); **B63H 25/48** (2006.01)

CPC (source: EP US)
B63H 25/42 (2013.01 - EP US); **B63H 25/48** (2013.01 - EP US)

Citation (search report)

- [YA] DE 8804220 U1 19890727
- [A] WO 9742073 A1 19971113 - DYNAFOILS INC [US], et al
- [A] US 3590762 A 19710706 - YUAN SHAO WEN
- [A] GB 2255947 A 19921125 - EUROP GAS TURBINES LTD [GB], et al
- [A] US 3209714 A 19651005 - BOWLES ROMALD E
- [YA] "STP. THE SCHOTTEL TWIN PROPELLER", EUROPORT, XX, XX, 18 November 1997 (1997-11-18), pages 1 - 4, XP000198525

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1108645 A2 20010620; **EP 1108645 A3 20020925**; DE 19960577 A1 20010621; US 2002016111 A1 20020207; US 6413128 B2 20020702

DOCDB simple family (application)
EP 00127197 A 20001213; DE 19960577 A 19991215; US 73463800 A 20001212