

Title (en)

WATER JET DRIVE FOR MARINE VESSELS

Title (de)

WASSERSTRAHLANTRIEB FÜR WASSERFAHRZEUGE

Title (fr)

PROPULSION PAR JET D'EAU POUR BATEAUX

Publication

EP 1409341 A1 20040421 (DE)

Application

EP 02762364 A 20020717

Priority

- DE 10135543 A 20010720
- EP 0207916 W 20020717

Abstract (en)

[origin: DE10135543A1] The drive and control method uses at least one impeller (5) for providing a propulsion water jet which is deflected by guide surfaces (11,26,27,47,30) to allow sideways and reverse movement. A crash-stop function is initiated by at least one sensor using the distance from a collision object, with a control (98) providing automatic lowering of a deflection cap providing braking via reverse propulsion. An Independent claim for propulsion drive and control device for a water vehicle is also included.

IPC 1-7

B63H 11/10; **B63H 11/11**; **B63H 11/117**

IPC 8 full level

B63H 11/10 (2006.01); **B63H 11/107** (2006.01); **B63H 11/11** (2006.01); **B63H 11/117** (2006.01); **B63H 25/42** (2006.01)

CPC (source: EP)

B63H 11/107 (2013.01); **B63H 11/117** (2013.01); **B63H 25/42** (2013.01); **B63H 25/50** (2013.01)

Citation (search report)

See references of WO 03011685A1

Cited by

CN108657404A; WO2022066855A1

Designated contracting state (EPC)

DE NL

DOCDB simple family (publication)

DE 10135543 A1 20030206; DE 50201805 D1 20050120; EP 1409341 A1 20040421; EP 1409341 B1 20041215; WO 03011685 A1 20030213

DOCDB simple family (application)

DE 10135543 A 20010720; DE 50201805 T 20020717; EP 0207916 W 20020717; EP 02762364 A 20020717