

Title (en)
OUTBOARD JET DRIVE MARINE PROPULSION SYSTEM WITH INCREASED HORSEPOWER

Title (de)
AUSSENBOARD-STRAHLANTRIEBSSCHIFFSANTRIEBSSYSTEM MIT ERHÖHTER LEISTUNG

Title (fr)
SYSTEME DE PROPULSION MARITIME A REACTION HYDRAULIQUE HORS-BORD PRESENTANT UNE PUISSANCE EN CHEVAUX PLUS ELEVEE

Publication
EP 1814781 A4 20090325 (EN)

Application
EP 05815118 A 20051025

Priority

- US 2005038544 W 20051025
- US 62189904 P 20041025
- US 65365205 P 20050216
- US 68176205 P 20050517
- US 68259705 P 20050518

Abstract (en)
[origin: WO2006047585A2] An outboard jet drive marine system for a boat comprising a housing. The housing is adapted to be affixed behind a hull of a boat. An engine is disposed within the housing. A jet drive unit is mounted to the housing in parallel to and vertically oriented to the engine, and is operatively coupled to the engine. The engine has an exhaust and cylinders, and a turbocharger operatively coupled between the exhaust and cylinders. The turbocharger has a housing for receiving the exhaust and a turbine assembly. The exhaust rotates the turbine assembly. The turbine assembly provides compressed air to the cylinders. The housing has a diameter dimensioned to control the exhaust gas volume and speed to optimize the turbine speed of the turbine assembly to reduce back pressure. The fuel is cooled as it exits the engine.

IPC 8 full level
B63H 11/00 (2006.01); **B63H 11/02** (2006.01); **B63H 11/08** (2006.01); **B63H 20/00** (2006.01)

CPC (source: EP KR US)
B63H 11/00 (2013.01 - KR); **B63H 20/32** (2013.01 - EP US); **F02B 37/00** (2013.01 - EP US); **F02M 53/00** (2013.01 - EP US); **B63H 11/08** (2013.01 - EP US); **B63H 11/107** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)

- [DY] US 6398600 B1 20020604 - LAWSON WILLIAM [US]
- [Y] US 4068612 A 19780117 - MEINERS ELMO R
- [Y] WO 8801341 A1 19880225 - HAUBENWALLNER GERHARD [AT]
- [Y] US 2001036778 A1 20011101 - TAKAYANAGI MASASHI [JP]
- [Y] US 2001008820 A1 20010719 - MATSUDA YOSHIMOTO [JP]
- [Y] WO 0112498 A2 20010222 - LAWSON WILLIAM [US]
- [Y] US 2003013356 A1 20030116 - BURNS ALAN R [AU]
- [Y] US 4281996 A 19810804 - MOURARET MICHEL
- [Y] US 6146219 A 20001114 - BLANCHARD CLARENCE E [US]
- [Y] GB 2032871 A 19800514 - PIAGGIO & C SPA
- See references of WO 2006047585A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006047585 A2 20060504; WO 2006047585 A3 20070208; AU 2005299395 A1 20060504; BR PI0516887 A 20080923; CA 2585413 A1 20060504; EP 1814781 A2 20070808; EP 1814781 A4 20090325; KR 20070073934 A 20070710; US 2006105645 A1 20060518

DOCDB simple family (application)
US 2005038544 W 20051025; AU 2005299395 A 20051025; BR PI0516887 A 20051025; CA 2585413 A 20051025; EP 05815118 A 20051025; KR 20077011893 A 20070525; US 25967405 A 20051025