

Title (en)

Vessel with hexagonal underwater section for propulsion of a barge

Title (de)

Schiff mit sechseckigem Unterbau zum Antreiben einer Schute

Title (fr)

Navire ayant des oeuvres fortes de section hexagonale pour déplacer une barge

Publication

**EP 2193989 A1 20100609 (EN)**

Application

**EP 09172598 A 20091008**

Priority

JP 2008310870 A 20081205

Abstract (en)

Disclosed is a vessel comprising an upper side shell (9) having a cylindrical shape; a lower side shell (10) having the shape of a hexagonal prism and being provided below the upper side shell (9); and thrusters (23) capable of rotating in the horizontal direction and being provided on the bottom of the vessel at symmetrical positions about a hull center line (3) connecting opposing dihedral angles of the lower side shell (10) as an axis of symmetry.

IPC 8 full level

**B63B 35/66** (2006.01)

CPC (source: EP)

**B63B 35/665** (2013.01)

Citation (applicant)

- JP H10100987 A 19980421 - HVIDE MARINE INC
- JP H04273168 B1
- JP 2002331992 A 20021119 - HIRAMATSU IWAO
- JP H10100987 B

Citation (search report)

- [I] US 3850132 A 19741126 - JACKSON W
- [I] US 4656959 A 19870414 - MOISDON ROGER F G [US]
- [I] US 3391669 A 19680709 - BUSTER WILLIAM R
- [I] FR 745955 A 19330520
- [I] US 3335436 A 19670815 - SHARP DAVID H
- [ID] EP 0816218 A2 19980107 - HVIDE MARINE INC [US]

Cited by

WO2013052675A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**EP 2193989 A1 20100609**; JP 2010132165 A 20100617; JP 4305881 B1 20090729

DOCDB simple family (application)

**EP 09172598 A 20091008**; JP 2008310870 A 20081205