

Title (en)
A retractable thruster

Title (de)
Einziehbarer Antrieb

Title (fr)
Propulseur retractable

Publication
EP 2995549 A1 20160316 (EN)

Application
EP 14184360 A 20140911

Priority
EP 14184360 A 20140911

Abstract (en)
The retractable thruster comprises a cylindrical first housing (21) extending in a first direction downwards from a bottom of a hull (10) of a vessel and a second housing (22) being attached to a lower end (21A) of the first housing (21). A first shaft (31) extends in the first direction within the first housing (21) and a second shaft (41) extends in a second direction within the second housing (22). The two shafts (31, 41) are connected with a transmission (34, 44). A propeller (50, 51) is attached to an outer end (41 B) of the second shaft (41). A lifting arrangement (80, 81, 82, 83) is arranged within the vessel for lifting and lowering the first housing (21). A first electric motor (60) positioned within the first housing (21) drives the propeller (50, 51) via the first shaft (31), the transmission (34, 44) and the second shaft (41). The first electric motor (60) is directly cooled to sea water surrounding the first housing (21).

IPC 8 full level
B63H 5/125 (2006.01); **B63H 5/20** (2006.01); **B63H 21/17** (2006.01); **B63H 21/38** (2006.01); **B63H 25/42** (2006.01)

CPC (source: EP)
B63H 5/125 (2013.01); **B63H 5/20** (2013.01); **B63H 21/17** (2013.01); **B63H 21/383** (2013.01); **B63H 25/42** (2013.01); **B63H 2005/1258** (2013.01); **B63H 2025/425** (2013.01)

Citation (applicant)
US 7641526 B1 20100105 - BEKKER JOANNES RAYMOND MARI [US]

Citation (search report)
• [Y] US 7641526 B1 20100105 - BEKKER JOANNES RAYMOND MARI [US]
• [Y] US 2003166362 A1 20030904 - VARIS JUKKA [FI]
• [A] WO 2010114380 A1 20101007 - MAROTEC AS [NO], et al
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Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2995549 A1 20160316

DOCDB simple family (application)
EP 14184360 A 20140911