

Title (en)

MARINE SHELL DOOR INCLUDING HYDRAULIC ACTUATOR UNIT

Title (de)

MEERESFAHRZEUGTÜR MIT EINER HYDRAULISCHEN BETÄTIGUNGSEINHEIT

Title (fr)

PORTE DE COQUE DE NAVIRE COMPORTANT UNE UNITÉ ACTIONNEUR HYDRAULIQUE

Publication

**EP 2753538 A1 20140716 (EN)**

Application

**EP 12758924 A 20120907**

Priority

- NL 2007377 A 20110909
- NL 2012050631 W 20120907

Abstract (en)

[origin: WO2013036126A1] Marine shell door comprising a framework including a door plate. The framework provides a skeleton structure to reinforce the shell door. Typically, the framework includes a plurality of compartments. The marine shell door is improved in that it further comprises at least one hydraulic actuator unit (10) for operating said shell door itself and/or at least one shell door component. The hydraulic actuator unit comprises a hydraulic actuator (11) and an actuator pump (15) which is dedicated to said hydraulic actuator for operating said hydraulic actuator. The actuator pump has an electrical motor (151) and a pump housing (152) for supplying hydraulic fluid to the hydraulic actuator to operate the shell door. Advantageously, the installation of the shell door on board of a ship is improved. The shell door has no long stainless steel fluid conduits which are difficult to mount during installation and vulnerable to damages in operation.

IPC 8 full level

**B63B 19/197** (2006.01); **F15B 15/14** (2006.01)

CPC (source: EP)

**B63B 19/197** (2013.01)

Citation (search report)

See references of WO 2013036126A1

Citation (examination)

- US 2007119160 A1 20070531 - MENZE PETER C [US]
- WO 2010141281 A1 20101209 - HALDEX HYDRAULICS CORP [US], et al

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

DOCDB simple family (publication)

**WO 2013036126 A1 20130314**; CN 103857586 A 20140611; EP 2753538 A1 20140716; KR 20140078651 A 20140625; NL 2007377 C2 20130312

DOCDB simple family (application)

**NL 2012050631 W 20120907**; CN 201280043882 A 20120907; EP 12758924 A 20120907; KR 20147009157 A 20120907; NL 2007377 A 20110909