

Title (en)

Semi-submersible floating platform with hydraulics and independent propulsion

Title (de)

Halb tauchfähige Schwimmplattform mit Hydrauliksystem und unabhängigem Antrieb

Title (fr)

Plateforme flottante semi-submersible avec propulsion hydraulique et independante

Publication

**EP 2409910 A2 20120125 (EN)**

Application

**EP 11398005 A 20110719**

Priority

PT 10520610 A 20100719

Abstract (en)

The invention seeks to solve the mobility problem associated with semi-submersible floating platforms. The invention aims to enable the semi-submersible floating structures alternating between a static and a floating position, which allows independent propulsion through a self-propelled system. The hydraulics of the structure is used to collect the submersible structure that is submerged in the water, passing the structure to a floating position with a self-propelled system. The invention comprises a rigid flat platform of operation (4) with two keels float (5) located under this platform. Between these keels lies a structure composed of four main columns (1) with hydraulics, four circular flooding tanks (8) and a secondary structure in the form of vertical truss (3) and horizontal (2), being the vertical truss (3) equipped with hydraulics. The invention combines stable conditions of usage on floating marine environments necessary for the proper development of services.

IPC 8 full level

**B63B 1/10** (2006.01); **B63B 35/44** (2006.01)

CPC (source: EP)

**B63B 1/107** (2013.01); **B63B 35/44** (2013.01); **B63B 2221/24** (2013.01)

Cited by

CN103863528A

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 2409910 A2 20120125**; **EP 2409910 A3 20131016**; PT 105206 A 20120119; PT 105206 B 20130411

DOCDB simple family (application)

**EP 11398005 A 20110719**; PT 10520610 A 20100719