

Title (en)

Device for launching and recovering a submersible or surface craft.

Title (de)

Vorrichtung zur Zuwasserlassung und Bergung eines Unterwasser- oder Oberflächengeräts

Title (fr)

Dispositif de mise à l'eau et de récupération d'un engin submersible ou de surface

Publication

**EP 2468621 A1 20120627 (FR)**

Application

**EP 11194970 A 20111221**

Priority

FR 1061175 A 20101223

Abstract (en)

The device has a clamp (71) mounted on a suspension unit (70) of a submersible/surface craft (12) and including arms (104, 106) moving in rotation between open and closed positions for gripping the craft. A conical docking unit (72) is mounted in rotation on the suspension unit, and receives an end of the craft so as to allow alignment of the craft with the docking unit. The docking unit is provided with an opening for passage of a cable connected to the craft. The suspension unit comprises deformable suspension columns (74, 76) extending downwardly from a horizontal main support beam (73). An independent claim is also included for a system for launching and recovering a submersible or surface craft, comprising a chassis fixed on a surface naval vehicle.

Abstract (fr)

Le dispositif de mise à l'eau et de récupération d'un engin submersible ou de surface comprend : - des moyens de suspension 70 de l'engin, - une pince 71 montée sur les moyens de suspension et comprenant deux bras 104, 106 mobiles à rotation entre une position ouverte et une position fermée de préhension de l'engin, et - un moyen d'accostage 72 monté à rotation sur les moyens de suspension et prévu pour recevoir une extrémité de l'engin de manière à permettre l'alignement de l'engin avec ledit moyen d'accostage.

IPC 8 full level

**B63B 23/32** (2006.01); **B63B 27/16** (2006.01); **B63B 35/00** (2006.01); **B63G 8/00** (2006.01)

CPC (source: EP)

**B63B 23/32** (2013.01); **B63B 27/16** (2013.01); **B63B 2027/165** (2013.01); **B63B 2035/008** (2013.01); **B63G 2008/007** (2013.01)

Citation (applicant)

WO 2006035121 A1 20060406 - ECA [FR], et al

Citation (search report)

- [X] FR 2917708 A1 20081226 - DCN SA [FR]
- [X] WO 0071415 A1 20001130 - STUDIO 3 INGEGNERIA S R L [IT], et al
- [XY] WO 2008012472 A1 20080131 - IFREMER [FR], et al
- [YA] DE 102005058475 B3 20070104 - ATLAS ELEKTRONIK GMBH [DE]
- [A] EP 1580115 A1 20050928 - ECA [FR]
- [A] WO 2009147176 A1 20091210 - THALES SA [FR], et al

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CN109367706A; IT202100022478A1; CN113697045A; US2022063780A1; US11414163B2; US9067648B2; WO2017017701A1; WO2014039690A1; WO2023026100A1

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 2468621 A1 20120627**; **EP 2468621 B1 20160302**; FR 2969573 A1 20120629; FR 2969573 B1 20130208; SG 182120 A1 20120730

DOCDB simple family (application)

**EP 11194970 A 20111221**; FR 1061175 A 20101223; SG 2011095791 A 20111222