

Title (en)

Underwater or marine vehicle and associated docking method

Title (de)

Wasser- oder Unterwassergerät und entsprechendes Ankoppelungsverfahren

Title (fr)

Engin marin ou sous-marin et procédé d'arrimage associé

Publication

**EP 2551185 B1 20151007 (FR)**

Application

**EP 12177504 A 20120723**

Priority

FR 1156819 A 20110726

Abstract (en)

[origin: EP2551185A1] The vehicle (1) has a contactless unit for detecting a recovery cable (2) i.e. pulling cable, and guiding the vehicle toward the cable. A coupling unit (7) is located at an end (3b) of the vehicle for coupling the vehicle with the cable. The coupling unit comprises a hook and a gripper. The gripper rotates between a closed position in contact with an outer surface of the vehicle, and a coupling position, in which the gripper interacts with the hook to provide a space for a passage of the cable between the grippers and the outer surface of the vehicle. An independent claim is also included for a method for coupling a marine or underwater vehicle to a recovery cable.

IPC 8 full level

**B63B 21/58** (2006.01); **B63B 21/66** (2006.01); **B63B 27/18** (2006.01); **B63C 11/42** (2006.01); **B63G 8/00** (2006.01); **B63G 8/42** (2006.01)

CPC (source: EP US)

**B63B 21/58** (2013.01 - US); **B63B 21/66** (2013.01 - US); **B63B 27/18** (2013.01 - US); **B63C 11/42** (2013.01 - US); **B63G 8/001** (2013.01 - EP US); **B63G 8/42** (2013.01 - US); **B63B 2027/165** (2013.01 - EP); **B63G 2008/004** (2013.01 - EP)

Cited by

EP3421349A1; CN114455034A; FR3026383A1; FR3133591A1; EP4245653A1; FR3133590A1; US10232915B2; WO2016062870A1; WO2016046497A1; WO2023175264A1; FR3125793A1; WO2023007085A1

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)

**EP 2551185 A1 20130130; EP 2551185 B1 20151007**; AU 2012206995 A1 20130214; AU 2012206995 B2 20160929; CA 2784188 A1 20130126; CA 2784188 C 20190618; FR 2978422 A1 20130201; FR 2978422 B1 20141212; US 2013025523 A1 20130131; US 9032894 B2 20150519

DOCDB simple family (application)

**EP 12177504 A 20120723**; AU 2012206995 A 20120726; CA 2784188 A 20120723; FR 1156819 A 20110726; US 201213557389 A 20120725