

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)

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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