

Title (en)
DOCKING DEVICE FOR AN UNDERWATER VEHICLE

Title (de)
ANDOCKVORRICHTUNG FÜR EIN UNTERWASSERFAHRZEUG

Title (fr)
DISPOSITIF D'ACCUEIL POUR UN VEHICULE SOUS-MARIN

Publication
EP 3906188 B1 20240228 (FR)

Application
EP 19829593 A 20191220

Priority
• FR 1874296 A 20181228
• EP 2019086621 W 20191220

Abstract (en)
[origin: WO2020136114A1] Docking device comprising a docking station capable of being connected to a carrying vessel by means of a cable, the docking station comprising a guide device which comprises a set (E) of arms (51) which are connected to the body and each comprise a distal end (ED) and a proximal end (EP), the set (E) of arms (51) being capable of being in a deployed configuration in which it defines a space flaring towards the rear so as to enable the underwater vehicle to be guided to the stop, the distal end (ED) of each arm (51) being located behind the proximal end (EP) of the arm (51) in the deployed configuration, the set (E) of arms being capable of being in a collapsed configuration in which a distal end (ED) of each arm (51) of the set (E) of arms is closer to the longitudinal axis (x) than in the deployed configuration and in which the distal end (ED) is located in front of the position occupied by the distal end (ED) in the deployed configuration, such that a length, along the axis x, of a space defined by the set (E) of arms (51) behind the stop is smaller in the collapsed configuration than in the deployed configuration.

IPC 8 full level
B63B 27/36 (2006.01); **B63C 7/20** (2006.01)

CPC (source: EP US)
B63B 21/66 (2013.01 - US); **B63B 27/16** (2013.01 - EP); **B63C 7/20** (2013.01 - US); **B63G 8/39** (2013.01 - US); **B63G 8/42** (2013.01 - US); **B63B 2027/165** (2013.01 - EP); **B63G 2008/008** (2013.01 - EP)

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 2020136114 A1 20200702; AU 2019416005 A1 20210722; CA 3124900 A1 20200702; EP 3906188 A1 20211110; EP 3906188 B1 20240228; EP 3906188 C0 20240228; FR 3091258 A1 20200703; FR 3091258 B1 20210409; JP 2022515065 A 20220217; JP 7418436 B2 20240119; SG 11202106211W A 20210729; US 12012191 B2 20240618; US 2022161913 A1 20220526

DOCDB simple family (application)
EP 2019086621 W 20191220; AU 2019416005 A 20191220; CA 3124900 A 20191220; EP 19829593 A 20191220; FR 1874296 A 20181228; JP 2021534735 A 20191220; SG 11202106211W A 20191220; US 201917417368 A 20191220