

Title (en)

SYSTEM AND METHOD FOR DEPLOYING AND RECOVERING AN AUTONOMOUS UNDERWATER CRAFT BY A RECOVERY VEHICLE TOWED BY A SHIP, UNDERWATER EXPLORATION ASSEMBLY

Title (de)

SYSTEM UND VERFAHREN ZUM AUSBRINGEN UND EINHOLEN EINES AUTONOMEN UNTERWASSERFAHRZEUGS DURCH EIN VON EINEM SCHIFF GESCHLEPPTES EINHOLFÄHRZEUG, UNTERWASSER-ERKUNDUNGSANORDNUNG

Title (fr)

SYSTÈME ET PROCÉDÉ DE DÉPLOIEMENT ET DE RÉCUPÉRATION D'ENGIN AUTONOME SOUS-MARIN PAR UN VÉHICULE DE RÉCUPÉRATION REMORQUÉ PAR UN NAVIRE, ENSEMBLE D'EXPLORATION SOUS-MARINE

Publication

**EP 4124203 A2 20230201 (FR)**

Application

**EP 20785544 A 20201008**

Priority

- FR 1911281 A 20191010
- EP 2020078336 W 20201008

Abstract (en)

[origin: WO2021069624A1] Disclosed is a system and method for deploying and recovering an autonomous underwater craft (12) by a recovery vehicle (11) towed by a ship (1), the craft (12) is stored in a housing of the recovery vehicle (11), the deployment can be carried out in two stages, a first stage of submerging the recovery vehicle (11) with the craft (12) stored in the recovery vehicle, and a second stage of releasing the craft (12). According to the invention, the ship comprises a launch ramp (10) which is tilting and the system is configured to store the recovery vehicle (11) on the launch ramp (10), the launch ramp (10) being able to take at least two positions: a raised position in which the stored recovery vehicle (11) is out of the water and an inclined position in which the rear end (15) of the launch ramp (10) is immersed, the system comprising a translational device enabling, in the inclined position of the launch ramp (10), the recovery vehicle (11) to move along the launch ramp (10) in order to be submerged and move away from the ship (1) while being towed by the ship during the deployment and in order to be raised along the launch ramp (10) during the recovery. The system and the craft (12) form an underwater exploration assembly.

IPC 8 full level

**B63B 21/66** (2006.01); **B63B 27/36** (2006.01); **B63G 8/00** (2006.01); **B63G 8/42** (2006.01); **B66C 13/02** (2006.01)

CPC (source: EP US)

**B63B 21/66** (2013.01 - EP US); **B63B 27/143** (2013.01 - EP US); **B63B 27/36** (2013.01 - EP); **B63G 8/001** (2013.01 - EP US); **B63G 8/42** (2013.01 - EP US); **B66D 1/52** (2013.01 - EP); **B63B 2027/165** (2013.01 - EP); **B63G 2008/004** (2013.01 - US)

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)

**FR 3101846 A1 20210416**; **FR 3101846 B1 20230127**; EP 4124203 A2 20230201; US 2024083553 A1 20240314; WO 2021069624 A1 20210415

DOCDB simple family (application)

**FR 1911281 A 20191010**; EP 2020078336 W 20201008; EP 20785544 A 20201008; US 202017767821 A 20201008