

Title (en)

AUTONOMOUS VESSEL, SYSTEM AND METHOD FOR PERFORMING AN OPERATION IN AN AQUATIC ORGANISM CONTAINING STRUCTURE

Title (de)

AUTONOMES SCHIFF, SYSTEM UND VERFAHREN ZUR DURCHFÜHRUNG EINER OPERATION IN EINER WASSERORGANISMENHALTIGEN STRUKTUR

Title (fr)

RÉCIPIENT AUTONOME, SYSTÈME ET PROCÉDÉ SERVANT À EFFECTUER UNE OPÉRATION DANS UNE STRUCTURE CONTENANT DES ORGANISMES AQUATIQUES

Publication

EP 4175468 A1 20230510 (EN)

Application

EP 21735692 A 20210624

Priority

- NO 20200782 A 20200703
- EP 2021067313 W 20210624

Abstract (en)

[origin: WO2022002746A1] The present invention relates to a system (10) for performing an operation in an aquatic organism containing structure (3) of an aquatic organism breeding farm (1), wherein the system (10) comprises an autonomous vessel (50) and a vessel station (20). The vessel (50) comprises a body (51) and a propulsion system (60) for moving the vessel (50) relative to, and in physical contact with, the structure (3). The vessel (50) further comprises a navigation system (70) for controlling the propulsion system (60). The navigation system (70) comprises an orientation sensor (71) for measuring a parameter representative of the current orientation of the vessel (50), a depth sensor (72) for measuring a parameter representative of the current depth (D) of the vessel (50) and a route planner (75), wherein a central processing unit (73) is configured to control the propulsion system (60) based on information from the orientation sensor (71), the depth sensor (72) and the route planner (75).

IPC 8 full level

A01K 63/10 (2017.01)

CPC (source: EP NO)

A01K 63/00 (2013.01 - NO); **A01K 63/10** (2016.12 - EP); **B08B 3/00** (2013.01 - NO); **B63G 8/001** (2013.01 - NO); **B63G 2008/004** (2013.01 - NO); **Y02A 40/81** (2017.12 - EP)

Citation (search report)

See references of WO 2022002746A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022002746 A1 20220106; EP 4175468 A1 20230510; NO 20200782 A1 20200703; NO 346573 B1 20221017

DOCDB simple family (application)

EP 2021067313 W 20210624; EP 21735692 A 20210624; NO 20200782 A 20200703