

Title (en)

SYSTEM FOR LAUNCH AND RECOVERY OF REMOTELY OPERATED VEHICLES

Title (de)

SYSTEM ZUM STARTEN UND RÜCKHOLEN VON FERNGESTEUERTEN FAHRZEUGEN

Title (fr)

SYSTÈME POUR LANCEMENT ET RÉCUPÉRATION DE VÉHICULES ACTIONNÉS À DISTANCE

Publication

EP 3735374 A4 20211020 (EN)

Application

EP 19735933 A 20190102

Priority

- US 201815859741 A 20180102
- US 2019012060 W 20190102

Abstract (en)

[origin: WO2019136074A1] The present embodiments relate to launch and recovery systems for a remotely operated vehicle. The embodiments eliminate or minimize the need for load lines and provide virtually unlimited excursion distances for remotely operated vehicles, limited only by the amount of tether available at the launch point. Further, the embodiments allow for extended deployments of ROVs by allowing recharging of a tether climbing component while submerged. The system can include a launch and recovery assembly, a tether climbing component, and a remotely operated vehicle attached to a remotely operated vehicle tether. The launch and recovery assembly deploys the remotely operated vehicle and the tether climbing component overboard, and the remotely operated vehicle is configured for tethered operation while maintaining the tether climbing component at a desired depth.

IPC 8 full level

B63B 27/10 (2006.01); **B63B 27/08** (2006.01); **B63G 8/00** (2006.01); **B66C 13/02** (2006.01); **B66C 13/18** (2006.01); **B66C 23/53** (2006.01)

CPC (source: EP)

B63B 27/08 (2013.01); **B63B 27/36** (2013.01); **B66C 13/02** (2013.01); **B66D 1/50** (2013.01); **B66D 1/7415** (2013.01); **B66D 1/7447** (2013.01); **B63B 2027/165** (2013.01); **B63G 2008/007** (2013.01)

Citation (search report)

- [XYI] US 9540076 B1 20170110 - TRAIL DOUGLAS PATRICK [US]
- [XYI] US 4686927 A 19870818 - HAWKES GRAHAM S [US], et al
- [Y] US 4245578 A 19810120 - BIANCO VINCENT, et al
- [Y] US 2017146765 A1 20170525 - LAMBERTUS DETLEF [DE], et al
- [Y] US 2012210926 A1 20120823 - STORM JR BRUCE H [US], et al
- [Y] US 2012145407 A1 20120614 - VARLEY MARK LAWRENCE [GB], et al
- [A] WO 2017146583 A1 20170831 - OCEANEERING AS [NO]
- See references of WO 2019136074A1

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 2019136074 A1 20190711; EP 3735374 A1 20201111; EP 3735374 A4 20211020

DOCDB simple family (application)

US 2019012060 W 20190102; EP 19735933 A 20190102