

Title (en)

UNMANNED SURFACE VESSEL FOR REMOTELY OPERATED UNDERWATER VEHICLE OPERATIONS

Title (de)

UNBEMANNTES OBERFLÄCHENSCHIFF FÜR DEN FERNGESTEUERTEN BETRIEB VON UNTERWASSERFAHRZEUGEN

Title (fr)

NAVIRE DE SURFACE SANS ÉQUIPAGE POUR OPÉRATIONS DE VÉHICULE SOUS-MARIN COMMANDÉ À DISTANCE

Publication

**EP 3448748 B1 20220406 (EN)**

Application

**EP 17727736 A 20170425**

Priority

- NO 20160706 A 20160427
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Abstract (en)

[origin: WO2017188823A1] The invention relates to an unmanned surface vessel for remotely operated underwater vehicle (ROV) operations, comprising an ROV, a deployment and recovery device to deploy an ROV from the vessel to water and recover the ROV from the water to the vessel, and a vessel control unit controlling the deployment and recovery of the ROV, the operation of the ROV, and movements of the vessel.

IPC 8 full level

**B63B 35/00** (2020.01); **B63C 11/42** (2006.01)

CPC (source: EP NO US)

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Citation (examination)

- EP 1031506 A2 20000830 - MCDERMOTT SA J RAY [US]
- GB 2365824 A 20020227 - MENTOR SUBSEA TECH SERV INC [US]
- WO 9532121 A1 19951130 - GUNG YUNG YUL [KR]
- GB 2480688 A 20111130 - ACERGY NORWAY AS [NO], et al
- US 6279501 B1 20010828 - TAYLOR JR LELAND HARRIS [US]

Citation (opposition)

Opponent : FNV IP B.V.

- EP 1031506 A2 20000830 - MCDERMOTT SA J RAY [US]
- GB 2480688 A 20111130 - ACERGY NORWAY AS [NO], et al
- ES 2558356 A1 20160203 - UNIV POLITÉCNICA DE CARTAGENA [ES]
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- P. SVEC ET AL.: "Dynamics-aware target following for an autonomous surface vehicle operating under COLREGs in civilian traffic", 2013 IEEE / RSJ INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS, 2013, pages 3871 - 3878, XP032537844, DOI: 10.1109/IROS.2013.6696910
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- B. C. SHAH ET AL.: "Trajectory planning with adaptive control primitives for autonomous surface vehicles operating in congested civilian traffic", 2014 IEEE / RSJ INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS, 2014, pages 2312 - 2318, XP032676532, DOI: 10.1109/IROS.2014.6942875

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DOCDB simple family (publication)

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