

Title (en)
UNDERWATER VEHICLE INTERNAL ASSEMBLY FITTED WITH A SYSTEM FOR TREATING AMBIENT GAS AND ASSOCIATED TREATMENT METHOD

Title (de)
INNENANORDNUNG EINES UNTERWASSERFAHRZEUGS MIT SYSTEM ZUR BEHANDLUNG VON UMGEBUNGSGAS UND ZUGEHÖRIGES VERFAHREN

Title (fr)
ENSEMBLE INTÉRIEUR D'ENGIN SOUS-MARIN MUNI D'UN SYSTÈME DE TRAITEMENT DE GAZ AMBIANT ET PROCÉDÉ DE TRAITEMENT ASSOCIÉ

Publication
EP 2707280 B1 20160406 (FR)

Application
EP 12719768 A 20120511

Priority
• FR 1154121 A 20110512
• EP 2012058801 W 20120511

Abstract (en)
[origin: WO2012152930A1] This assembly comprises a chamber (40) delimiting an internal volume (24) containing an ambient gas and a system (42) for treating the ambient gas. The treatment system (42) comprises an upstream inlet (68) for drawing off ambient gas from the chamber (40), a device (51) for treating the ambient gas and an assembly (50) for conveying the ambient gas from the upstream inlet (68) towards the treatment device (51). The treatment device (51) comprises at least one nitrogen generator (52) capable of generating a nitrogen-rich treated stream and an oxygen-rich discharge stream from the ambient gas tapped off. The treatment system (42) comprises a purge assembly (54) connected to the nitrogen generator (52) to discharge the nitrogen-rich stream to the exterior of the underwater vehicle (10).

IPC 8 full level
B63G 8/36 (2006.01); **B63J 2/04** (2006.01)

CPC (source: EP)
B63G 8/36 (2013.01); **B63J 2/04** (2013.01)

Citation (examination)
• US 3164454 A 19650105 - MILTON WILSON E
• G RANIERI ET AL: "Challenge for Air Indoor Quality on board Submarines SUBMARINE AIR PURIFICATION AND MONITORING Southern Region Submarine Commanders Conference 03 Challenge for Air Indoor Quality on board Submarines CHALLENGE FOR AIR INDOOR QUALITY ON BOARD SUBMARINES", 22 October 2003 (2003-10-22), XP055147764, Retrieved from the Internet <URL:http://www.datech-srl.com/assets/pdf/Submarine_Air_Purification_and_Monitoring_NATO.pdf> [retrieved on 20141020]

Designated contracting state (EPC)
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