

Title (en)

UNDERWATER BODY HAVING A VARIABLE VOLUME AND METHOD FOR OPERATING SUCH AN UNDERWATER BODY

Title (de)

UNTERWASSERKÖRPER MIT VERÄNDERBAREM VOLUMEN UND VERFAHREN ZUM BETREIBEN EINES SOLCHEN
UNTERWASSERKÖRPERS

Title (fr)

CORPS SOUS-MARIN À VOLUME MODULABLE ET PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UN TEL CORPS SOUS-MARIN

Publication

EP 3652062 B1 20220914 (DE)

Application

EP 18739512 A 20180709

Priority

- DE 102017115601 A 20170712
- EP 2018068489 W 20180709

Abstract (en)

[origin: WO2019011831A1] The invention relates to an underwater body (101) having a movable component (107), which can be moved into an extended position and as a result increases the volume of the underwater body (101). The invention further relates to a method for operating such an underwater body. An expansion means (113, 115, 117, 119) is capable of conducting a fluid (121) into a hollow space. The hollow space is operatively connected to the movable component (107). By the fluid (121) being conducted into the hollow space, the movable component (107) is moved relative to the sleeve (103) of the underwater body (101) into the extended position. The fluid (121) hardens in the hollow space. The hardened fluid (121) in the hollow space keeps the movable component (107) in the extended position.

IPC 8 full level

B63G 8/14 (2006.01); **B63G 8/24** (2006.01); **F42B 19/44** (2006.01)

CPC (source: EP US)

B63B 21/00 (2013.01 - US); **B63B 22/00** (2013.01 - US); **B63G 8/001** (2013.01 - US); **B63G 8/14** (2013.01 - EP);
B63G 8/24 (2013.01 - EP US); **F42B 19/04** (2013.01 - EP); **F42B 19/44** (2013.01 - EP); **B63G 8/16** (2013.01 - US); **B63G 8/22** (2013.01 - US);
B63G 2008/004 (2013.01 - EP US); **B63G 2008/005** (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)

WO 2019011831 A1 20190117; DE 102017115601 A1 20190117; EP 3652062 A1 20200520; EP 3652062 B1 20220914;
US 11046403 B2 20210629; US 2020189705 A1 20200618

DOCDB simple family (application)

EP 2018068489 W 20180709; DE 102017115601 A 20170712; EP 18739512 A 20180709; US 201816628704 A 20180709