

Title (en)

HYDRAULIC DEVICE USING GRAVITY AND BUOYANCY FORCES AND METHOD FOR OPERATING SUCH A DEVICE

Title (de)

SCHWERKRAFT- UND AUFTRIEBSKRAFT-HYDRAULIKVORRICHTUNG UND VERFAHREN ZUM BETREIBEN EINER SOLCHEN VORRICHTUNG

Title (fr)

DISPOSITIF HYDRAULIQUE À GRAVITÉ ET À POUSSÉE VERTICALE ET PROCÉDÉ POUR FAIRE FONCTIONNER UN TEL DISPOSITIF

Publication

**EP 3649344 A1 20200513 (DE)**

Application

**EP 18745831 A 20180704**

Priority

- DE 102017115123 A 20170706
- EP 2018068104 W 20180704
- DE 202016106076 U 20161021
- DE 102017109267 A 20170428

Abstract (en)

[origin: WO2019008043A1] The invention relates to a hydraulic device using gravity and buoyancy forces, in which the position of movable masses (M1, ..., Mn) is moved during a rotation of the arrangement by means of a force on the masses, which counteracts the weight force, in such a manner that said masses contribute to the rotational movement.

IPC 8 full level

**F03B 17/04** (2006.01); **F03G 7/10** (2006.01)

CPC (source: EP US)

**F03B 17/04** (2013.01 - EP US); **F03G 3/02** (2013.01 - EP); **F03G 7/10** (2013.01 - EP); **F03B 17/005** (2013.01 - US); **F03B 17/025** (2013.01 - US); **F03G 3/02** (2013.01 - US)

Citation (search report)

See references of WO 2019008043A1

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Designated extension state (EPC)

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DOCDB simple family (publication)

**DE 102017115123 A1 20180426**; CN 110914542 A 20200324; CN 110914542 B 20220208; EP 3649344 A1 20200513; JP 2020525711 A 20200827; US 11174832 B2 20211116; US 2020217295 A1 20200709; WO 2019008043 A1 20190110

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**DE 102017115123 A 20170706**; CN 201880044992 A 20180704; EP 18745831 A 20180704; EP 2018068104 W 20180704; JP 2019572782 A 20180704; US 201816628545 A 20180704