

Title (en)
HULL DEVICE

Title (de)
RUMPFVORRICHTUNG

Title (fr)
EQUIPEMENT DE COQUE

Publication
EP 3713841 A1 20200930 (FR)

Application
EP 18800976 A 20181119

Priority
• FR 1701196 A 20171120
• EP 2018081786 W 20181119

Abstract (en)
[origin: WO2019097056A1] The invention relates to a hull device designed to be reversibly attached to an outer surface of a ferromagnetic structure of a marine or submarine system or vessel. The device comprises at least one attachment surface (20) suitable for attaching the device to the structure, and a plurality of permanent magnets (24) arranged in the vicinity of the attachment surface (20) in order to attach the device to the structure.

IPC 8 full level
B63G 8/34 (2006.01); **B63G 13/02** (2006.01); **H01F 7/02** (2006.01)

CPC (source: EP KR US)
B63G 8/04 (2013.01 - US); **B63G 8/34** (2013.01 - EP KR); **B63G 13/02** (2013.01 - EP KR); **H01F 7/0221** (2013.01 - EP KR);
B63B 2231/30 (2013.01 - EP KR); **B63G 8/34** (2013.01 - US); **B63G 2013/027** (2013.01 - KR)

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2019097056 A1 20190523; AU 2018368617 A1 20200528; AU 2018368617 B2 20240307; BR 112020009392 A2 20201103;
EP 3713841 A1 20200930; FR 3073811 A1 20190524; FR 3073811 B1 20201120; JP 2021503410 A 20210212; JP 7232830 B2 20230303;
KR 102613246 B1 20231212; KR 20200083489 A 20200708; US 11634199 B2 20230425; US 2020283107 A1 20200910

DOCDB simple family (application)
EP 2018081786 W 20181119; AU 2018368617 A 20181119; BR 112020009392 A 20181119; EP 18800976 A 20181119;
FR 1701196 A 20171120; JP 2020527786 A 20181119; KR 20207013653 A 20181119; US 201816765244 A 20181119