

Title (en)  
UNITARY MAGNET HAVING AN OVOID CONFIGURATION, AND MAGNET STRUCTURE COMPRISING MULTIPLE UNITARY MAGNETS

Title (de)  
EINHEITSMAGNET MIT EIFÖRMIGER KONFIGURATION UND MAGNETSTRUKTUR MIT MEHREREN EINHEITSMAGNETEN

Title (fr)  
AIMANT UNITAIRE À CONFIGURATION OVOÏDE ET STRUCTURE D'AIMANT À PLUSIEURS AIMANTS UNITAIRES

Publication  
**EP 3743929 A1 20201202 (FR)**

Application  
**EP 19705220 A 20190118**

Priority  
• FR 1800086 A 20180126  
• IB 2019050420 W 20190118

Abstract (en)  
[origin: WO2019145831A1] The invention relates to a unitary magnet (1) that has an elongate shape and an at least partially ovoid contour as the unitary magnet (1) comprises a first portion (1a) forming a body of the unitary magnet (1) that has a larger cross-section and extends over a greater portion of the length of the unitary magnet (1) than at least one second longitudinal end portion (1b) that points towards an associated longitudinal end of the magnet and has a decreasing cross-section towards the longitudinal end.

IPC 8 full level  
**H01F 7/02** (2006.01); **H01F 41/02** (2006.01); **H02K 1/27** (2006.01)

CPC (source: EP US)  
**H01F 7/02** (2013.01 - EP); **H01F 7/021** (2013.01 - US); **H01F 7/0221** (2013.01 - EP); **H01F 7/0231** (2013.01 - EP);  
**H01F 41/0253** (2013.01 - EP US); **H02K 1/02** (2013.01 - US); **H02K 1/2795** (2022.01 - EP US); **H02K 21/24** (2013.01 - US);  
**H02K 41/031** (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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2019145831 A1 20190801**; CN 111868855 A 20201030; CN 111868855 B 20220322; EP 3743929 A1 20201202; FR 3077414 A1 20190802;  
FR 3077414 B1 20220311; JP 2021511765 A 20210506; RU 2020125693 A 20220228; RU 2020125693 A3 20220305;  
US 11323016 B2 20220503; US 2021218290 A1 20210715

DOCDB simple family (application)  
**IB 2019050420 W 20190118**; CN 201980009788 A 20190118; EP 19705220 A 20190118; FR 1800086 A 20180126; JP 2020535091 A 20190118;  
RU 2020125693 A 20190118; US 201916769181 A 20190118