

Title (en)
Magnetically active material

Title (de)
Magnetisch wirksamer Werkstoff

Title (fr)
Matériau magnétiquement actif

Publication
EP 2521143 B1 20150603 (DE)

Application
EP 12002333 A 20120330

Priority
DE 102011100805 A 20110506

Abstract (en)
[origin: EP2521143A1] The material has magnetically effective partial components (10a) that are cellularly formed and provided with pore structures (12a). The pore structures are partially opened and/or closed, and exhibit an effect with hard magnetic or soft-magnetic characteristics. The pore structures are mechanically and/or thermally treated to realize texturing, and the partial components are designed in a self-supporting manner. The partial components absorb electromagnetic vibrations, and filling mediums e.g. oil or oily liquid, are provided within the pore structures. An independent claim is also included for a system comprising an electric motor.

IPC 8 full level
H01F 1/147 (2006.01); **H01F 27/36** (2006.01); **H01Q 17/00** (2006.01); **H05K 9/00** (2006.01)

CPC (source: EP US)
H01F 1/14708 (2013.01 - EP); **H01F 27/36** (2013.01 - EP); **H01F 27/366** (2020.08 - EP US); **H01Q 17/00** (2013.01 - EP)

Cited by
CN112143864A; US2021265112A1; US11962168B2; EP3859761A4; JP2022501830A

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)
EP 2521143 A1 20121107; EP 2521143 B1 20150603; EP 2521143 B8 20150722; DE 102011100805 A1 20121108; ES 2546494 T3 20150924

DOCDB simple family (application)
EP 12002333 A 20120330; DE 102011100805 A 20110506; ES 12002333 T 20120330