

Title (en)
Electrically conductive magnetic powder

Title (de)
Elektrisch leitendes, magnetisches Pulver

Title (fr)
Poudre magnétique électroconducteur

Publication
EP 1445778 A3 20050504 (DE)

Application
EP 04001172 A 20040121

Priority
• DE 10304794 A 20030205
• DE 10323765 A 20030522

Abstract (en)
[origin: EP1445778A2] The electrically conducting, magnetic powder (1) contains or consists of electrically conducting and magnetic particles (2). The particles can be pre-magnetized so as to attract each other. The particles have a mean grain size that is smaller than 50 microns or smaller 40 microns or smaller than 30 microns. The particles are essentially spherical. Independent claims are also included for the following: (a) an electrically conducting, magnetic liquid; and (b) an electrical part, especially a switch or potentiometer.

IPC 1-7
H01F 1/06; **H01F 1/20**; **H01F 1/44**; **H01H 1/06**; **H01H 29/06**; **H01C 10/30**

IPC 8 full level
H01B 1/02 (2006.01); **H01B 1/14** (2006.01); **H01B 1/18** (2006.01); **H01C 17/065** (2006.01); **H01F 1/06** (2006.01); **H01F 1/20** (2006.01); **H01F 1/44** (2006.01); **H01H 29/06** (2006.01); **H01H 36/00** (2006.01)

CPC (source: EP US)
H01B 1/02 (2013.01 - EP US); **H01B 1/14** (2013.01 - EP US); **H01B 1/18** (2013.01 - EP US); **H01C 17/06526** (2013.01 - EP US); **H01F 1/061** (2013.01 - EP US); **H01F 1/20** (2013.01 - EP US); **H01F 1/44** (2013.01 - EP US); **H01H 29/06** (2013.01 - EP US); **H01H 36/00** (2013.01 - EP US); **H01H 2036/0086** (2013.01 - EP US)

Citation (search report)
• [X] US 6290868 B1 20010918 - MARTIN JAMES E [US], et al
• [X] EP 0354131 A2 19900207 - POTTERS INDUSTRIES INC [US]
• [X] PATENT ABSTRACTS OF JAPAN vol. 016, no. 196 (E - 1200) 12 May 1992 (1992-05-12)

Cited by
DE102007028663A1; CN103245399A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1445778 A2 20040811; **EP 1445778 A3 20050504**; US 2004155228 A1 20040812

DOCDB simple family (application)
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