

Title (en)
Electrically conductive magnetic powder

Title (de)
Elektrisch leitendes, magnetisches Pulver

Title (fr)
Poudre magnétique électroconducteur

Publication
EP 1445778 A2 20040811 (DE)

Application
EP 04001172 A 20040121

Priority
• DE 10304794 A 20030205
• DE 10323765 A 20030522

Abstract (en)
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.

Abstract (de)
Die vorliegende Erfindung betrifft ein Pulver (1) mit elektrisch leitenden und magnetischen Partikeln (2). Ein elektrisch leitendes, magnetisches Pulver (1) kann beispielsweise in einem elektrischen Bauteil, insbesondere in einem Potentiometer, zur Übertragung eines elektrischen Signals und/oder einer elektrischen Spannung und/oder eines elektrischen Stroms zwischen wenigstens zwei elektrischen Kontakten dienen. <IMAGE>

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)

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

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