

Title (en)
ELECTROMAGNETIC SWITCHING DEVICE

Title (de)
ELEKTROMAGNETISCHES SCHALTGERÄT

Title (fr)
APPAREIL DE COMMUTATION ELECTROMAGNETIQUE

Publication
EP 1644950 A1 20060412 (DE)

Application
EP 04736305 A 20040608

Priority
• EP 2004006183 W 20040608
• DE 10331339 A 20030710

Abstract (en)
[origin: WO2005006371A1] A drive solenoid (1), a yoke (2), an armature (3) and at least one contact (4) are mounted in a housing (6+7) of an electromagnetic switching device. The drive solenoid (1), yoke (2) and armature (3) are inductively intercoupled, in such a way that when an inrush current (I) is applied to the drive solenoid (1), the armature (3) can be displaced into a pickup position, thus directly or indirectly actuating the contact (4). The yoke (2) and/or armature (3) contain(s) pulverulent magnetic material (9).

IPC 1-7
H01H 50/16

IPC 8 full level
H01F 7/08 (2006.01); **H01H 50/16** (2006.01); **H01F 7/124** (2006.01); **H01F 7/16** (2006.01); **H01H 51/22** (2006.01)

CPC (source: EP US)
H01F 7/081 (2013.01 - EP US); **H01H 50/16** (2013.01 - EP US); **H01F 7/124** (2013.01 - EP US); **H01F 7/1638** (2013.01 - EP US); **H01H 51/22** (2013.01 - EP US); **H01H 2047/046** (2013.01 - EP US); **H01H 2050/166** (2013.01 - EP US)

Citation (search report)
See references of WO 2005006371A1

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
WO 2005006371 A1 20050120; CN 100461324 C 20090211; CN 1816888 A 20060809; DE 10331339 A1 20050203; EP 1644950 A1 20060412; US 2006192643 A1 20060831; US 7696846 B2 20100413

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