

Title (en)
Solenoid

Title (de)
Hubmagnet

Title (fr)
Electroaimant de levage

Publication
EP 2056308 A1 20090506 (DE)

Application
EP 08018926 A 20081030

Priority
DE 102007053005 A 20071105

Abstract (en)
The solenoid has an anchor (6) and a field coil (3) that are provided in area of a pot-shaped solenoid body (1), where spaces provided between the anchor and the field coil are filled with a magnetically conductive material (9). The magnetically conductive material is selected from particle-shaped iron in the form of iron powder and iron boring. The magnetic leading material is embedded in a carrier in the form of flowable product or paste, and is embedded in a casting compound, which is produced by hardening fluid comprising the solid iron.

Abstract (de)
Ein Hubmagnet, enthaltend einen topfförmigen Magnetkörper aus massivem Eisen und einen Anker, sowie mindestens einer Erregerspule, ist dadurch gekennzeichnet, dass im Bereich des Magnetkörpers (1), des Ankers (6) und der Erregerspule (3) und zwischen diesen Elementen vorhandene Räume durch magnetisch leitende Materialien (9) ausgefüllt sind.

IPC 8 full level
H01F 7/08 (2006.01); **H01F 7/16** (2006.01)

CPC (source: EP)
H01F 7/081 (2013.01); **H01F 7/1607** (2013.01)

Citation (applicant)
• EP 0052177 A1 19820526 - WABCO WESTINGHOUSE FAHRZEUG [DE]
• DE 102004023905 A1 20051222 - BUERKERT WERKE GMBH & CO KG [DE]
• DE 10139447 A1 20030220 - CONTI TEMIC MICROELECTRONIC [DE]

Citation (search report)
[X] EP 0052177 A1 19820526 - WABCO WESTINGHOUSE FAHRZEUG [DE]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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