

Title (en)  
Solenoid

Title (de)  
Magnetspule

Title (fr)  
Solenoides

Publication  
**EP 1699059 A3 20071226 (DE)**

Application  
**EP 05025920 A 20051128**

Priority  
DE 102005010068 A 20050303

Abstract (en)  
[origin: EP1699059A2] The coil has a winding with a coil wire (2) and a plug housing having connection contacts (4). Both ends (2a, 2b) of the wire are led out from the coil and are connected to the contacts. Elastic retaining units (6, 7) stand in contact with the ends in an area between a magnet housing (1) and the contacts such that the wire is held at a voltage in an area between the magnet housing and retaining units or retaining units and contacts.

IPC 8 full level  
**H01F 7/06** (2006.01); **H01F 5/04** (2006.01); **H01R 4/00** (2006.01); **H01F 41/10** (2006.01)

CPC (source: EP)  
**H01F 5/04** (2013.01); **H01F 7/06** (2013.01); **H01F 27/022** (2013.01); **H01F 41/10** (2013.01); **H01F 2007/062** (2013.01); **H01R 13/5833** (2013.01); **H01R 2201/22** (2013.01)

Citation (search report)  
• [A] US 4935713 A 19900619 - BEKHEET ZAKI C [US]  
• [A] EP 0811995 A1 19971210 - NASS MAGNET GMBH [DE]

Cited by  
ITUA20163423A1; CN109074930A; WO2017195072A1

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

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1699059 A2 20060906; EP 1699059 A3 20071226; EP 1699059 B1 20110622**; AT E514170 T1 20110715; DE 102005010068 A1 20060907

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