

Title (en)
FLOW HOLE AND FLOW PROJECTION

Title (de)
DURCHFLUSS ÖFFNUNG UND DURCHFLUSSVORSPRUNG

Title (fr)
ORIFICE DE PASSAGE ET PARTIE SAillante DE PASSAGE

Publication
EP 1021814 A2 20000726 (EN)

Application
EP 98902727 A 19980126

Priority
• US 9801534 W 19980126
• US 79616597 A 19970206

Abstract (en)
[origin: WO9835371A2] An electromagnetic relay includes a base, a bobbin with a core and at least one winding about the core, a pair of pole pieces extending perpendicularly from the ends of the core, an elongate armature movable with respect to a movable contact, a permanent magnet coupled magnetically between the core and armature and at least one stationary contact. The bobbin further comprises a set of end flanges adjacent the pole pieces, with a means for engaging the end flanges with the pole pieces. The base is provided with a hole therein for inserting an epoxy to bond the bobbin to the base. The cross-sectional area of the core is non-uniform to engage a pair of pole pieces. A bore within the bobbin has a non-uniform cross-sectional area. A bobbin is also provided with depressions at various locations of the flanges and with terminal wires molded within the flanges.

IPC 1-7
H01H 51/22; **H01H 50/04**

IPC 8 full level
H01H 50/02 (2006.01); **H01H 50/04** (2006.01); **H01H 50/14** (2006.01); **H01H 50/36** (2006.01); **H01H 50/44** (2006.01); **H01H 50/16** (2006.01); **H01H 51/22** (2006.01)

CPC (source: EP KR)
H01H 50/023 (2013.01 - EP); **H01H 50/042** (2013.01 - EP); **H01H 51/22** (2013.01 - KR); **H01H 50/021** (2013.01 - EP); **H01H 50/026** (2013.01 - EP); **H01H 50/14** (2013.01 - EP); **H01H 50/163** (2013.01 - EP); **H01H 51/2272** (2013.01 - EP); **H01H 2050/446** (2013.01 - EP)

Citation (search report)
See references of WO 9835371A2

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 9835371 A2 19980813; **WO 9835371 A3 19981105**; CN 1129940 C 20031203; CN 1246957 A 20000308; DE 69802955 D1 20020124; DE 69802955 T2 20020808; EP 1021814 A2 20000726; EP 1021814 B1 20011212; JP 2001510628 A 20010731; KR 20000070845 A 20001125; TW 405137 B 20000911

DOCDB simple family (application)
US 9801534 W 19980126; CN 98802339 A 19980126; DE 69802955 T 19980126; EP 98902727 A 19980126; JP 53477298 A 19980126; KR 19997007110 A 19990806; TW 87101496 A 19980205