

Title (en)

ELECTROMAGNETIC RELAY AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

ELEKTROMAGNETISCHES RELAIS UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

RELAIS ELECTROMAGNETIQUE ET PROCEDE PERMETTANT DE LE PRODUIRE

Publication

EP 1171894 A1 20020116 (DE)

Application

EP 00934955 A 20000419

Priority

- DE 19918368 A 19990422
- EP 0003574 W 20000419

Abstract (en)

[origin: DE19918368A1] The invention relates to an electromagnetic relay comprising a coil (1), a core (2), an armature (4), moveable and fixed contacts (5, 9), an armature spring (14), an armature spring support (13), as well as relay connections. The fixed contacts, the armature spring support and the relay connections are integrated as one piece in a three-dimensional printed circuit board. The invention also relates to a method for producing the relay.

IPC 1-7

H01H 1/40; H01H 50/54

IPC 8 full level

H01H 49/00 (2006.01); **H01H 45/04** (2006.01); **H01H 50/04** (2006.01); **H01H 50/14** (2006.01); **H01H 50/18** (2006.01); **H01H 50/54** (2006.01);
H01H 50/02 (2006.01); **H01H 51/22** (2006.01)

CPC (source: EP US)

H01H 50/043 (2013.01 - EP US); **H01H 50/021** (2013.01 - EP); **H01H 51/2281** (2013.01 - EP); **H01H 2001/5888** (2013.01 - EP US)

Citation (search report)

See references of WO 0065619A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19918368 A1 20001102; EP 1171894 A1 20020116; JP 2002543557 A 20021217; WO 0065619 A1 20001102

DOCDB simple family (application)

DE 19918368 A 19990422; EP 0003574 W 20000419; EP 00934955 A 20000419; JP 2000614471 A 20000419