

Title (en)

ELECTROMAGNETIC RELAY AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

ELEKTROMAGNETISCHES RELAIS UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

RELAIS ELECTROMAGNETIQUE ET SON PROCEDE DE FABRICATION

Publication

**EP 1177565 B1 20030709 (DE)**

Application

**EP 00936710 A 20000504**

Priority

- DE 19921254 A 19990507
- EP 0003991 W 20000504

Abstract (en)

[origin: WO0068963A1] The relay and the method for producing said relay are characterized by their simplicity in terms of production. Instead of using different materials for the coil body, the core device and the elements of the load circuit, the ferromagnetic or electrically conductive metals are replaced at least in part by plastic materials to which ferromagnetic or electrically conductive properties are added. In one embodiment, the whole relay consists of plastic parts except for the winding, which have been produced in a multicomponent injection molding process.

IPC 1-7

**H01H 1/02**; H01H 50/16; H01H 50/04; H01H 50/14; H01H 49/00

IPC 8 full level

**H01H 1/02** (2006.01); **H01H 1/029** (2006.01); **H01H 49/00** (2006.01); **H01H 50/04** (2006.01); **H01H 50/14** (2006.01); **H01H 50/16** (2006.01)

CPC (source: EP)

**H01H 1/029** (2013.01); **H01H 49/00** (2013.01); **H01H 50/04** (2013.01); **H01H 50/14** (2013.01); **H01H 50/16** (2013.01); **H01H 2050/166** (2013.01); **H01H 2050/446** (2013.01)

Designated contracting state (EPC)

AT DE ES FR GB IT

DOCDB simple family (publication)

**WO 0068963 A1 20001116**; AT E244926 T1 20030715; DE 19921254 A1 20010104; DE 50002845 D1 20030814; EP 1177565 A1 20020206; EP 1177565 B1 20030709

DOCDB simple family (application)

**EP 0003991 W 20000504**; AT 00936710 T 20000504; DE 19921254 A 19990507; DE 50002845 T 20000504; EP 00936710 A 20000504