

Title (en)

ELECTROMAGNETIC RELAY AND ITS USE ON A PRINTED CIRCUIT BOARD

Title (de)

ELEKTROMAGNETISCHES RELAIS UND DESSEN VERWENDUNG AUF EINER LEITERPLATTE

Title (fr)

RELAIS ELECTROMAGNETIQUE ET SON UTILISATION SUR UNE CARTE DE CIRCUITS IMPRIMES

Publication

EP 0846330 B1 19990203 (DE)

Application

EP 96923819 A 19960708

Priority

- DE 9601232 W 19960708
- DE 19531045 A 19950823

Abstract (en)

[origin: WO9708724A1] The relay has at least one switching system with a basic body (1) forming a base plate (11) in which a contact spring connector (4) and counter-contacts (5, 6) are secured and on which a coil (21, 22) with a core (23) and a yoke (24) is arranged upright perpendicular to the base plate and there is an armature between the coil and the base plate. There is a U-shaped contact spring (3) secured to the armature (26) and the two spring arms thus formed form a connecting arm (31) and a highly conductive contact arm (32). The relay can be easily made with simple components as a single and also a double or multiple relay.

IPC 1-7

H01H 50/54; **H01H 50/14**

IPC 8 full level

H01H 50/14 (2006.01); **H01H 50/54** (2006.01); **H01H 50/56** (2006.01); **H01H 50/02** (2006.01)

CPC (source: EP US)

H01H 50/14 (2013.01 - EP US); **H01H 50/54** (2013.01 - EP US); **H01H 50/021** (2013.01 - EP US)

Designated contracting state (EPC)

AT CH DE FR GB IT LI

DOCDB simple family (publication)

WO 9708724 A1 19970306; AT E176550 T1 19990215; BR 9610190 A 19981215; DE 59601280 D1 19990318; EP 0846330 A1 19980610; EP 0846330 B1 19990203; JP H11512220 A 19991019; US 5889451 A 19990330

DOCDB simple family (application)

DE 9601232 W 19960708; AT 96923819 T 19960708; BR 9610190 A 19980220; DE 59601280 T 19960708; EP 96923819 A 19960708; JP 50967697 A 19960708; US 1140698 A 19980127