Title (en)

Electromagnetic relay and method for its manufacture

Title (de)

Elektromagnetisches Relais und Verfahren zu dessen Herstellung

Title (fr)

Relais électromagnétique et méthode pour sa fabrication

Publication

EP 0768693 B1 20011205 (DE)

Application

EP 96115680 A 19960930

Priority

DE 19537612 A 19951009

Abstract (en)

[origin: JPH09147719A] PROBLEM TO BE SOLVED: To manufacture individual relays and also double relays with the smallest number of component members, make the structure of the relays suitable especially for automated manufacturing, and make completed relays which properly switch high electric current without causing any trouble. SOLUTION: A spring supporting body 17 is fixed in a base in a region by the side of at least one fixed contact supporting body 14 and in the front of an end part of a movable contact pole 14. Moreover, a contact spring 41 holds an engaged end part of the contact pole 4 in an end part portion, is divided into at least two leg parts positioned up and down, that is at least one connection leg part 44 and at least one contact leg part 43, like a fork in the direction toward the movable end part of the contact pole 4, the connection leg part 44 is connected with the supporting body 17, and the contact leg part 43 supports the movable contact.

IPC 1-7 (main, further and additional classification)

H01H 49/00; H01H 50/14; H01H 50/28; H01H 50/60

IPC 8 full level (invention and additional information)

H01H 49/00 (2006.01); **H01H 50/04** (2006.01); **H01H 50/14** (2006.01); **H01H 50/28** (2006.01); **H01H 50/36** (2006.01); **H01H 50/44** (2006.01); **H01H 50/56** (2006.01); **H01H 50/58** (2006.01); **H01H 50/60** (2006.01); **H01H 51/06** (2006.01); **H01H 51/20** (2006.01)

CPC (invention and additional information)

H01H 49/00 (2013.01); **H01H 50/14** (2013.01); **H01H 50/28** (2013.01); **H01H 50/60** (2013.01); H01H 2011/0087 (2013.01); H01H 2050/049 (2013.01)

Designated contracting state (EPC)

AT CH DE FR GB IT LI

DOCDB simple family

DE 19537612 C1 19970109; AT 210336 T 20011215; EP 0768693 A2 19970416; EP 0768693 A3 20000412; EP 0768693 B1 20011205; JP H09147719 A 19970606; US 5929730 A 19990727