

Title (en)

COMBINATION OF A SWITCHING DEVICE AND A PRINTED CIRCUIT BOARD

Title (de)

SCHALTGERAETE-LEITERPLATTEN-KOMBINATION

Title (fr)

ENSEMBLE DISPOSITIF DE COMMUTATION-CARTE DE CIRCUIT IMPRIME

Publication

EP 1654748 B1 20070725 (DE)

Application

EP 04766415 A 20040804

Priority

- EP 2004051710 W 20040804
- DE 10338122 A 20030815

Abstract (en)

[origin: WO2005017934A1] The invention relates to a combination of at least one electromagnetic switching device and a printed board. In order to be able to replace, without any problems, a switching device (2) that can be used both with and without a connection to a printed board (26), the supply leads (6) of the switching device are provided with a laterally accessible terminal (12) as well as a contact (14) which is accessible from the front (15) of the switching device and establishes a contacting connection to a pin contact (18) connected to the printed board (26).

IPC 8 full level

H01H 50/04 (2006.01); **H01R 9/24** (2006.01); **H01R 12/55** (2011.01); **H05K 5/00** (2006.01)

CPC (source: EP US)

H01H 50/047 (2013.01 - EP US); **H01R 9/2466** (2013.01 - EP US)

Citation (examination)

EP 0779640 A2 19970618 - KLOECKNER MOELLER GMBH [DE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005017934 A1 20050224; AT E368292 T1 20070815; DE 10338122 B3 20050421; DE 502004004452 D1 20070906;
EP 1654748 A1 20060510; EP 1654748 B1 20070725; ES 2290755 T3 20080216; JP 2006527904 A 20061207; JP 4076183 B2 20080416;
US 2006152312 A1 20060713; US 7411476 B2 20080812

DOCDB simple family (application)

EP 2004051710 W 20040804; AT 04766415 T 20040804; DE 10338122 A 20030815; DE 502004004452 T 20040804; EP 04766415 A 20040804;
ES 04766415 T 20040804; JP 2006516204 A 20040804; US 54546205 A 20050812