

Title (en)
Device to realize a contact with a contact plate

Title (de)
Einrichtung zur Kontaktierung einer Platine

Title (fr)
Dispositif pour réaliser le contact avec une platine

Publication
EP 0989291 A3 20001220 (DE)

Application
EP 99118492 A 19990918

Priority
DE 19843770 A 19980924

Abstract (en)
[origin: EP0989291A2] The contacts (24) of the second plate (17) are installed on a retaining component (20) which is pretensioned against the first plate (18) by a spring (21). The second plate is connected to the retaining component by elastic leads (22) which are formed by conductor strips printed onto a foil. The retaining component and second plate are manufactured from the same synthetic material and are interconnected by a web which is thin in comparison to their material thicknesses.

IPC 1-7
F02D 11/10

IPC 8 full level
F02D 11/10 (2006.01); **F02D 45/00** (2006.01); **H01R 12/32** (2006.01); **H01R 12/55** (2011.01); **F02D 9/02** (2006.01)

CPC (source: EP KR US)
F02D 11/10 (2013.01 - EP US); **F02D 45/00** (2013.01 - KR); **F02D 2009/0294** (2013.01 - EP US)

Citation (search report)

- [X] EP 0573690 A1 19931215 - SPRECHER ENERGIE AG [CH]
- [X] US 4161346 A 19790717 - CHERIAN GABRIEL B [US], et al
- [X] DD 259707 A1 19880831 - ZENTRUM F FORSCHUNG U TECHNOLO [DD]
- [X] GB 2315925 A 19980211 - STRIX LTD [GB]
- [PX] DE 19719942 A1 19981203 - GRUENDL & HOFFMANN [DE]
- [PX] DE 19713838 A1 19981008 - MANNESMANN VDO AG [DE]
- [A] DE 4241020 A1 19940609 - BOSCH GMBH ROBERT [DE]
- [A] DE 4108735 A1 19920924 - VDO SCHINDLING [DE]
- [A] US 5271269 A 19931221 - RILLING HEINZ [DE], et al
- [A] US 4812803 A 19890314 - HOCHHOLZER REINHARD [DE]

Cited by
EP1167724A4; US6725833B1; US7185629B2; US7458360B2

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)
EP 0989291 A2 20000329; EP 0989291 A3 20001220; EP 0989291 B1 20041117; BR 9904309 A 20001107; DE 19843770 A1 20000330; DE 59911081 D1 20041223; KR 20000023457 A 20000425; US 6227871 B1 20010508

DOCDB simple family (application)
EP 99118492 A 19990918; BR 9904309 A 19990924; DE 19843770 A 19980924; DE 59911081 T 19990918; KR 19990041279 A 19990927; US 40527799 A 19990923