

Title (en)

Plug connector for a circuit board assembly below a cover

Title (de)

Steckverbindung für eine unterhalb einer Abdeckung befindliche Baugruppe

Title (fr)

Connecteur enfichable pour plaquette à circuits située au-dessous d'un couvercle

Publication

EP 0834966 A3 19991201 (DE)

Application

EP 97115810 A 19970911

Priority

DE 29617238 U 19961004

Abstract (en)

[origin: EP0834966A2] A circuit module (1) within a housing, e.g. of a motor, and used for control is to be externally connected. For this purpose a number of contact pins (3) are soldered into holes and project so as to pass through holes (6) in an insulating plate (5) fitted into an aperture in the cover plate. The pins engage with contact bushes (4) in a connecting plug or socket (2.2). An alternative has contact pins formed as bushes that engage solid pins on a connector.

IPC 1-7

H01R 13/74; **H01R 23/72**

IPC 8 full level

H01R 12/16 (2006.01); **H01R 12/24** (2006.01); **H01R 12/70** (2011.01); **H01R 12/71** (2011.01); **H01R 12/79** (2011.01); **H01R 13/52** (2006.01); **H01R 13/74** (2006.01); **H01R 13/64** (2006.01)

CPC (source: EP)

H01R 12/7082 (2013.01); **H01R 12/79** (2013.01); **H01R 13/521** (2013.01); **H01R 13/74** (2013.01); **H01R 13/64** (2013.01)

Citation (search report)

- [X] DE 4321719 C1 19941006 - BOSCH GMBH ROBERT [DE]
- [X] EP 0153632 A2 19850904 - KIENZLE APPARATE GMBH [DE]
- [X] DE 3728456 A1 19890330 - BOSCH GMBH ROBERT [DE]
- [X] US 5417591 A 19950523 - DEMMLER HOLGER [DE]
- [X] US 4723196 A 19880202 - HOFMEISTER WERNER [DE], et al
- [X] DE 19540874 A1 19960509 - WHITAKER CORP [US]
- [X] US 5211586 A 19930518 - MAUE HANS-HEINRICH [DE], et al

Cited by

WO0178197A1; EP1643820A1; CN104810637A; CN104934774A; US7445455B2; US6739893B2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0834966 A2 19980408; **EP 0834966 A3 19991201**; **EP 0834966 B1 20021120**; AT E228273 T1 20021215; DE 29617238 U1 19961121; DE 59708764 D1 20030102

DOCDB simple family (application)

EP 97115810 A 19970911; AT 97115810 T 19970911; DE 29617238 U 19961004; DE 59708764 T 19970911