

Title (en)
ELECTRICAL CONNECTOR FOR PRINTED CIRCUIT BOARDS

Title (de)
ELEKTRISCHER STECKVERBINDER FÜR GEDRUCKTE SCHALTUNGEN

Title (fr)
CONNECTEUR ELECTRIQUE POUR CARTES A CIRCUITS IMPRIMES

Publication
EP 0808520 A1 19971126 (EN)

Application
EP 95944133 A 19951215

Priority

- JP 2173795 A 19950209
- US 9516465 W 19951215

Abstract (en)
[origin: WO9624969A1] The object of the present invention is to provide an electrical connector which makes it possible for the contacts to electrically contact each other with a high contact pressure even when the contacts are made smaller and shorter. Contacts (40 and 80) which electrically contact each other are respectively secured in housings of a plug connector (20) and a cap connector (60), with the contacts being positioned in two rows in each connector. When the plug connector (20) and cap connector (60) are connected, first and second spring members (42 and 44) of the contacts (40) are clamped between wall surfaces (38a and 38b) of the housing (30) and the contact sections (82) of the contacts (80), so that the contacts (40 and 80) are springably pressed strongly against each other.

IPC 1-7
H01R 23/72; **H01R 23/68**

IPC 8 full level
H01R 12/50 (2011.01); **H01R 12/71** (2011.01); **H01R 12/57** (2011.01)

CPC (source: EP KR)
C22B 15/0071 (2013.01 - KR); **C25C 1/12** (2013.01 - KR); **H01R 12/716** (2013.01 - EP); **H01R 13/6585** (2013.01 - EP); **H01R 12/57** (2013.01 - EP); **H01R 13/658** (2013.01 - EP)

Citation (search report)
See references of WO 9624969A1

Cited by
US6394841B1

Designated contracting state (EPC)
DE FR GB IE

DOCDB simple family (publication)
WO 9624969 A1 19960815; CN 1096127 C 20021211; CN 1175322 A 19980304; DE 69509136 D1 19990520; DE 69509136 T2 19991111; DE 69523786 D1 20011213; DE 69523786 T2 20020613; EP 0808520 A1 19971126; EP 0808520 B1 19990414; EP 0863585 A1 19980909; EP 0863585 B1 20011107; KR 19980702071 A 19980715; MY 114986 A 20030331; NO 973654 D0 19970808; NO 973654 L 19970808

DOCDB simple family (application)
US 9516465 W 19951215; CN 95197578 A 19951215; DE 69509136 T 19951215; DE 69523786 T 19951215; EP 95944133 A 19951215; EP 98108873 A 19951215; KR 19970705466 A 19970808; MY PI9600159 A 19960116; NO 973654 A 19970808