

Title (en)
CONTACTING PLUG-AND-SOCKET CONNECTOR

Title (de)
KONTAKTIERUNGSSTECKVERBINDUNG

Title (fr)
CONNEXION ENFICHABLE D'ETABLISSEMENT DE CONTACT

Publication
EP 1966855 B1 20130109 (DE)

Application
EP 06819839 A 20061129

Priority
• EP 2006069066 W 20061129
• DE 102005063239 A 20051220

Abstract (en)
[origin: WO2007071532A1] Disclosed is a contacting connector (53) comprising a contacting plug (25) and a contacting socket (97) which is assigned, preferably joined in a defined position, to a contact carrier (17), particularly a printed board (16). The contacting plug (25) is fitted with at least one contact element (58) while the contact carrier (17) is provided with at least one contact surface (127), preferably a land (126) or a strip conductor. A receiving direction (a) that corresponds to a plug-in direction is defined between the contacting plug (25) and the contact carrier (17) while the contact element (58) lies on the contact carrier (17) with a certain contact force (F_K). The inventive contacting connector (53) is characterized in that the contact force (F_K) is independent of a force (F) acting between the contacting socket (97) and the contact carrier (17).

IPC 8 full level
H01R 12/72 (2011.01); **H01R 12/71** (2011.01); **H01R 12/87** (2011.01); **H01R 13/629** (2006.01)

CPC (source: EP US)
H01R 12/721 (2013.01 - EP US); **H01R 12/87** (2013.01 - EP US); **H01R 13/629** (2013.01 - EP US); **H01R 13/26** (2013.01 - EP US); **H01R 13/5219** (2013.01 - EP US); **H01R 13/6273** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102005063239 A1 20070621; EP 1966855 A1 20080910; EP 1966855 B1 20130109; JP 2009520333 A 20090521; JP 4843682 B2 20111221; US 2008188130 A1 20080807; US 7654845 B2 20100202; WO 2007071532 A1 20070628

DOCDB simple family (application)
DE 102005063239 A 20051220; EP 06819839 A 20061129; EP 2006069066 W 20061129; JP 2008546339 A 20061129; US 91478306 A 20061129