

Title (en)
Electrical connector and plug-in connection

Title (de)
Elektrische Steckvorrichtung bzw. Steckverbindung

Title (fr)
Connecteur et connexion électrique

Publication
EP 1753090 A3 20070718 (DE)

Application
EP 06022897 A 20041014

Priority
• EP 04024474 A 20041014
• DE 10358078 A 20031210

Abstract (en)
[origin: US2005130461A1] An electrical miniplug has a dielectric body formed with an upper array of coplanar seats and a lower array of seats interleaved with the upper seats and lying in a lower plane offset from the upper-seat plane. Respective upper contacts are each unitarily formed with a flat mounting region lying in a respective one of the upper seats on the upper mounting plane, a rear contact end projecting rearwardly from the respective mounting region, and a front contact end projecting forwardly from the respective mounting region. Respective lower contacts are each unitarily formed with a flat mounting region lying in a respective one of the lower seats on the lower mounting plane, a rear contact end projecting rearwardly from the respective mounting region, and a front contact end projecting forwardly from the respective mounting region. All of the front contact ends lie on a common contact plane.

IPC 8 full level
H01R 13/41 (2006.01); **H01R 24/00** (2006.01); **H01R 13/40** (2006.01); **H01R 13/627** (2006.01); **H01R 13/658** (2011.01); **H01R 43/16** (2006.01); **H01R 4/02** (2006.01)

CPC (source: EP US)
H01R 13/40 (2013.01 - EP US); **H01R 13/41** (2013.01 - EP US); **H01R 13/627** (2013.01 - EP US); **H01R 43/16** (2013.01 - EP US); **H01R 4/023** (2013.01 - EP US); **H01R 12/57** (2013.01 - EP US); **H01R 13/6582** (2013.01 - EP US); **H01R 24/62** (2013.01 - EP US); **H01R 2107/00** (2013.01 - EP US)

Citation (search report)
• [AD] DE 10104288 C1 20020404 - KARL LUMBERG GMBH & CO KG [DE]
• [A] EP 0810695 A1 19971203 - ITT MFG ENTERPRISES INC [US]
• [A] EP 1223643 A2 20020717 - HEWLETT PACKARD CO [US]

Cited by
CN106207613A

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)
US 2005130461 A1 20050616; US 7074076 B2 20060711; AT E353480 T1 20070215; BR PI0405394 A 20050830; CN 100466383 C 20090304; CN 101174744 A 20080507; CN 1638197 A 20050713; DE 10358078 B3 20050310; DE 502004002850 D1 20070322; DE 502004007583 D1 20080821; DK 1542319 T3 20070312; DK 1753090 T3 20080811; EP 1542319 A2 20050615; EP 1542319 A3 20050706; EP 1542319 B1 20070207; EP 1753090 A2 20070214; EP 1753090 A3 20070718; EP 1753090 B1 20080709; HK 1078687 A1 20060317; JP 2005174942 A 20050630

DOCDB simple family (application)
US 169704 A 20041201; AT 04024474 T 20041014; BR PI0405394 A 20041206; CN 200410100279 A 20041210; CN 200710181237 A 20041210; DE 10358078 A 20031210; DE 502004002850 T 20041014; DE 502004007583 T 20041014; DK 04024474 T 20041014; DK 06022897 T 20041014; EP 04024474 A 20041014; EP 06022897 A 20041014; HK 05110390 A 20051118; JP 2004372271 A 20041126