

Title (en)
Electrical connector and plug-in connection

Title (de)
Elektrische Steckvorrichtung bzw. Steckverbindung

Title (fr)
Connecteur et connexion électrique

Publication
EP 1753090 B1 20080709 (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)

Cited by
CN106207613A

Designated contracting state (EPC)
CZ DE DK FI IT SE

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

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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