

Title (en)

HIGH SPEED COMMUNICATION JACK

Title (de)

HOCHGESCHWINDIGKEITSKOMMUNIKATIONSBUCHSE

Title (fr)

CONNECTEUR FEMELLE DE COMMUNICATION À HAUT DÉBIT

Publication

**EP 3384563 A1 20181010 (EN)**

Application

**EP 16871319 A 20161128**

Priority

- US 201514955166 A 20151201
- US 2016063866 W 20161128

Abstract (en)

[origin: WO2017095745A1] A high speed communication jack including a housing including a port for accepting a plug, the port including a plurality of pins each connected to a corresponding signal line in the plug, a shielding case surrounding the housing, a rigid circuit board in the housing having a substrate, a plurality of vias extending through the substrate with each via being configured to accommodate a pin on the housing, a plurality of traces on a middle layer in the substrate, with each trace extending from a corresponding one of the plurality of vias, a first shielding layer on a first side of the middle layer in the substrate, a second shielding layer on a second side of the middle layer in the substrate, and a third shielding layer adjacent to the second shielding layer.

IPC 8 full level

**H01R 13/6466** (2011.01); **H01R 13/6473** (2011.01); **H01R 13/6585** (2011.01); **H01R 24/64** (2011.01); **H01R 43/16** (2006.01); **H01R 107/00** (2006.01)

CPC (source: EP KR)

**H01R 13/6466** (2013.01 - KR); **H01R 13/6473** (2013.01 - KR); **H01R 13/6585** (2013.01 - KR); **H01R 24/64** (2013.01 - KR); **H01R 43/16** (2013.01 - KR); **H05K 1/0218** (2013.01 - EP); **H05K 1/162** (2013.01 - EP); **H01R 13/6466** (2013.01 - EP); **H01R 13/6581** (2013.01 - EP); **H01R 24/64** (2013.01 - EP); **H01R 2107/00** (2013.01 - KR); **H05K 1/0245** (2013.01 - EP); **H05K 2201/10189** (2013.01 - EP); **H05K 2201/10303** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2017095745 A1 20170608**; CA 3007080 A1 20170608; CN 108475885 A 20180831; CN 108475885 B 20200825; EP 3384563 A1 20181010; EP 3384563 A4 20190807; JP 2018536974 A 20181213; JP 7028517 B2 20220302; KR 20180094873 A 20180824

DOCDB simple family (application)

**US 2016063866 W 20161128**; CA 3007080 A 20161128; CN 201680079136 A 20161128; EP 16871319 A 20161128; JP 2018528007 A 20161128; KR 20187015646 A 20161128