

Title (en)
ELECTRIC CONNECTOR AND METHOD FOR MANUFACTURING SAME

Title (de)
ELEKTRISCHER STECKVERBINDER UND VERFAHREN ZUR HERSTELLUNG EINES ELEKTRISCHEN STECKVERBINDERS

Title (fr)
CONNECTEUR ENFICHABLE ÉLECTRIQUE ET PROCÉDÉ DE FABRICATION D'UN CONNECTEUR ENFICHABLE ÉLECTRIQUE

Publication
EP 3872937 B1 20220223 (DE)

Application
EP 20160092 A 20200228

Priority
EP 20160092 A 20200228

Abstract (en)
[origin: CN113328278A] The invention relates to an electrical plug-in connector and a method for manufacturing the same. The electrical plug-in connector for differential signal transmission has an external conductor contact element, a dielectric and at least one internal conductor contact element pair for differential signal transmission. The dielectric extends along a longitudinal axis through the external conductor contact element. The internal conductor contact element pair has a first internal conductor contact element and a second internal conductor contact element which extend along the longitudinal axis through the dielectric. The external conductor contact element and/or the dielectric have a compensation geometry in order to compensate for an asymmetry of the internal conductor contact element pair with respect to the longitudinal axis. As an alternative or in addition, it is provided that the internal conductor contact element pair has a compensation geometry in order to compensate for an asymmetry of the external conductor contact element and/or of the dielectric with respect to the longitudinal axis.

IPC 8 full level
H01R 13/6477 (2011.01); **H01R 13/6474** (2011.01); **H01R 13/6476** (2011.01); **H01R 24/44** (2011.01); **H01R 24/56** (2011.01)

CPC (source: CN EP US)
H01B 11/002 (2013.01 - US); **H01R 13/40** (2013.01 - CN); **H01R 13/518** (2013.01 - US); **H01R 13/6474** (2013.01 - EP);
H01R 13/6476 (2013.01 - EP); **H01R 13/6477** (2013.01 - EP US); **H01R 13/6581** (2013.01 - US); **H01R 24/44** (2013.01 - EP);
H01R 43/18 (2013.01 - CN); **H01R 24/568** (2013.01 - EP)

Cited by
EP4250498A1

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

DOCDB simple family (publication)
EP 3872937 A1 20210901; **EP 3872937 B1 20220223**; CN 113328278 A 20210831; US 11545789 B2 20230103; US 2021273380 A1 20210902

DOCDB simple family (application)
EP 20160092 A 20200228; CN 202110221012 A 20210226; US 202117176556 A 20210216