

Title (en)
Electric plug connector

Title (de)
Elektrischer Steckverbinder

Title (fr)
Connecteur à fiches électrique

Publication
EP 2015405 A3 20110615 (DE)

Application
EP 08012209 A 20080707

Priority
DE 102007031619 A 20070709

Abstract (en)
[origin: EP2015405A2] The connector has contact receiving areas including inner surfaces covered by parallel running twisted contact lamellas (4), where total area of the inner surfaces extends to 20 to 40 percent of the connector. A surface of a gap formed by the lamellas covers 60 to 80 percent of the connector. A hyperbolic twisted contact retainer (3) is arranged on inner margins (7a, 7b). The retainer is selected such that diameter in a lamella area (6) is narrowed down in a range of 84 to 89 percent corresponding to an inner diameter in an area of the margins.

IPC 8 full level
H01R 13/18 (2006.01)

CPC (source: EP)
H01R 4/185 (2013.01); **H01R 13/18** (2013.01); **H01R 13/187** (2013.01)

Citation (search report)

- [XD] WO 0070713 A2 20001123 - K & K STAMPING COMPANY [US]
- [XD] DE 10005297 A1 20010816 - SIEMENS AG [DE]
- [X] FR 2610456 A1 19880805 - STAMPING K K [US]
- [XD] US 4720157 A 19880119 - NESTOR CHARLES R [US], et al

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2015405 A2 20090114; **EP 2015405 A3 20110615**; DE 102007031619 A1 20090115; DE 102007031619 B4 20110922;
DE 102008057735 A1 20100520

DOCDB simple family (application)
EP 08012209 A 20080707; DE 102007031619 A 20070709; DE 102008057735 A 20081117