

Title (en)
Electric connector

Title (de)
Elektrischer Steckverbinder

Title (fr)
Connecteur électrique

Publication
EP 2696441 A3 20150121 (EN)

Application
EP 13178517 A 20130730

Priority
JP 2012174585 A 20120807

Abstract (en)
[origin: EP2696441A2] A connector includes a plug connector and a receptacle connector, which is provided with a receptacle contact fixed to a receptacle insulator. The receptacle contact includes a fixed portion, a first resilient deformable portion extending from an end of the fixed portion, and a second resilient deformable portion extending toward the fixed portion from an end of the first resilient deformable portion. The second resilient deformable portion includes a first contact protrusion which contacts the plug-side contact portion when a plug insulator and the receptacle insulator are connected, a deformation limit portion which contacts the contacted portion when the plug-side contact portion and the first contact protrusion contact with each other, and a second contact protrusion which contacts the plug-side contact portion when the plug insulator and the receptacle insulator are connected.

IPC 8 full level
H01R 13/26 (2006.01); **H01R 12/71** (2011.01); **H01R 13/24** (2006.01)

CPC (source: EP KR)
H01R 12/71 (2013.01 - KR); **H01R 12/716** (2013.01 - EP); **H01R 13/2407** (2013.01 - EP); **H01R 13/26** (2013.01 - EP); **H01R 13/46** (2013.01 - KR); **H01R 12/712** (2013.01 - EP); **H01R 12/73** (2013.01 - EP)

Citation (search report)

- [A] EP 0717463 A2 19960619 - MOLEX INC [US]
- [A] JP H0945402 A 19970214 - NEC CORP
- [AD] JP 2010033714 A 20100212 - KYOCERA ELCO CORP

Cited by
CN105261860A

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)
EP 2696441 A2 20140212; EP 2696441 A3 20150121; EP 2696441 B1 20160914; JP 2014035794 A 20140224; JP 5781991 B2 20150924; KR 101402647 B1 20140603; KR 20140019722 A 20140217

DOCDB simple family (application)
EP 13178517 A 20130730; JP 2012174585 A 20120807; KR 20120149040 A 20121220