

Title (en)
Electrical connector

Title (de)
Steckverbinder

Title (fr)
Connecteur électrique à fiche

Publication
EP 2947723 B1 20170719 (DE)

Application
EP 14168960 A 20140520

Priority
EP 14168960 A 20140520

Abstract (en)
[origin: US2015340802A1] A plug connector for a single-core or multi-core electrical line comprises a plug which comprises a plug body having an end face and at least one connector pin projecting from the end face; a coupling which comprises a coupling body having an end face, wherein at least one reception opening is arranged in the end face of the coupling body for plugging in the at least one connector pin of the plug for establishing a connection; an actuatable closure for holding the plug body at the coupling body with a connector pin plugged into the reception opening; and at least one sealing element composed of an elastically deformable material for sealing the connection between the plug and the coupling. The at least one sealing element is clamped between the end face of the plug body and the end face of the coupling body while being deformed when the closure holds the plug body at the coupling body.

IPC 8 full level
H01R 13/52 (2006.01)

CPC (source: EP US)
H01R 13/521 (2013.01 - EP US); **H01R 13/5219** (2013.01 - EP US)

Citation (examination)

- US 6142805 A 20001107 - GRAY LARRY M [US], et al
- DE 202010003546 U1 20100715 - TOPS ELECTRONICS CO LTD [TW]
- US 6475008 B1 20021105 - MAROLDA VICTOR J [US], et al

Cited by
WO2021104863A1

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 2947723 A1 20151125; EP 2947723 B1 20170719; JP 2015222720 A 20151210; JP 5933788 B2 20160615; US 2015340802 A1 20151126

DOCDB simple family (application)
EP 14168960 A 20140520; JP 2015102392 A 20150520; US 201514716042 A 20150519