

Title (en)
Electric plug connector

Title (de)
Elektrischer Steckverbinder

Title (fr)
Connecteur à fiches électrique

Publication
EP 2806500 B1 20200909 (DE)

Application
EP 13194132 A 20131122

Priority
DE 102013209327 A 20130521

Abstract (en)
[origin: WO2014187862A1] An electrical connector comprises a middle housing part and a upper cover part connected to the middle housing part. The upper cover part can be opened and closed. On the upper cover part, a first upper termination clamp is arranged. On the middle housing part, a first upper contact spring is arranged. The middle housing part has a first upper opening for receiving a first core of a cable. The upper cover part can be moved by linear motion in the direction of the middle housing part so that the first upper termination clamp of the first core is contacted in an electrically conductive manner and pushed against the first upper contact spring.

IPC 8 full level
H01R 4/24 (2018.01)

CPC (source: EP US)
H01R 4/2433 (2013.01 - EP US); **H01R 24/30** (2013.01 - US); **H01R 12/714** (2013.01 - EP); **H01R 24/64** (2013.01 - EP US)

Citation (examination)
JP 3293432 B2 20020617

Cited by
FR3044478A1; EP3691036A3; US11056811B2; US10381769B2; US11011859B1; WO2017093624A1; WO2018210716A1

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 2806500 A1 20141126; EP 2806500 B1 20200909; CN 105324886 A 20160210; CN 105324886 B 20181225;
DE 102013209327 A1 20141127; DE 102013209327 B4 20150212; JP 2016522549 A 20160728; JP 6302543 B2 20180328;
US 2016072235 A1 20160310; US 9960549 B2 20180501; WO 2014187862 A1 20141127

DOCDB simple family (application)
EP 13194132 A 20131122; CN 201480035332 A 20140521; DE 102013209327 A 20130521; EP 2014060447 W 20140521;
JP 2016514393 A 20140521; US 201514943305 A 20151117