

Title (en)
HIGH-VOLTAGE CONNECTOR

Title (de)
HOCHVOLTVERBINDER

Title (fr)
CONNECTEUR HAUTE TENSION

Publication
EP 3427343 A1 20190116 (DE)

Application
EP 17719157 A 20170421

Priority
• DE 102016005508 A 20160504
• EP 2017000514 W 20170421

Abstract (en)
[origin: WO2017190828A1] Connector (100; 200) for a high-voltage plug (10) for electrically connecting high-voltage components, in particular an electric drive system in a motor vehicle, said connector (100; 200) comprising at least one electric contact assembly that includes - at least one annular contact element (102); - a first inner protective element (104) that is located inside the contact element and protrudes from the contact element (102); and - a first outer protective element (108) which at least partially surrounds the contact element (102) and protrudes from the contact element (102), the first inner protective element (104) and the first outer protective element (108) forming a shock protection for the contact element (102).

IPC 8 full level
H01R 13/44 (2006.01); **H01R 13/24** (2006.01); **H01R 13/621** (2006.01); **H01R 13/707** (2006.01); **H01R 103/00** (2006.01)

CPC (source: CN EP KR US)
H01R 13/2407 (2013.01 - CN); **H01R 13/2421** (2013.01 - CN EP KR US); **H01R 13/40** (2013.01 - CN); **H01R 13/44** (2013.01 - CN EP KR US); **H01R 13/502** (2013.01 - CN); **H01R 13/53** (2013.01 - US); **H01R 13/621** (2013.01 - CN KR); **H01R 13/707** (2013.01 - KR); **H01R 24/00** (2013.01 - CN); **H01R 13/621** (2013.01 - EP US); **H01R 13/707** (2013.01 - EP US); **H01R 2103/00** (2013.01 - EP KR US); **H01R 2201/26** (2013.01 - CN EP KR US)

Citation (search report)
See references of WO 2017190828A1

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)
DE 102016005508 A1 20171109; CN 109075487 A 20181221; CN 109075487 B 20210917; CN 113839244 A 20211224; CN 113839244 B 20240402; EP 3427343 A1 20190116; EP 3427343 B1 20211110; JP 2019515454 A 20190606; KR 20190002505 A 20190108; US 10608364 B2 20200331; US 2019123471 A1 20190425; WO 2017190828 A1 20171109

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DE 102016005508 A 20160504; CN 201780027265 A 20170421; CN 202110765653 A 20170421; EP 17719157 A 20170421; EP 2017000514 W 20170421; JP 2018557316 A 20170421; KR 20187031761 A 20170421; US 201716097809 A 20170421