

Title (en)
HERMETICALLY SEALING PLUG CONNECTOR

Title (de)
HERMETISCH DICHTENDER STECKVERBINDER

Title (fr)
CONNECTEUR ENFICHABLE ÉTANCHE

Publication
EP 3235066 A1 20171025 (DE)

Application
EP 15832683 A 20151211

Priority
• DE 102014118685 A 20141215
• DE 2015100532 W 20151211

Abstract (en)
[origin: CA2967081A1] In a plug connector comprising two plug parts which can be detachably plugged one into the other and which have front housing parts (100, 200) which are matched to one another and also electrical contact elements (120, 220) which are matched to one another, wherein the two front housing parts (100, 200) overlap in mutually facing regions (225) in the plugged-together state, provision is made, in particular, for the two front housing parts (100, 200) to seal off the plug connection, which is produced when the two plug parts are plugged together, to the outside by means of a sealing lip (125) which is arranged on the one front housing part (100) and also by means of an annular groove (230) which is arranged on the respective other front housing part (200) and which is surrounded on the inside by sealing surfaces (235, 235') which run around in the manner of a ring and on the outside by a collar (225) which runs around in the manner of a ring.

IPC 8 full level
H01R 13/52 (2006.01); **H01R 13/502** (2006.01); **H01R 13/504** (2006.01); **H01R 43/00** (2006.01); **H01R 107/00** (2006.01)

CPC (source: CN EP IL KR US)
H01R 13/5025 (2013.01 - CN EP IL KR US); **H01R 13/504** (2013.01 - IL KR); **H01R 13/5219** (2013.01 - US);
H01R 13/5221 (2013.01 - CN EP IL KR US); **H01R 13/504** (2013.01 - CN EP US); **H01R 2107/00** (2013.01 - CN EP IL KR US)

Citation (search report)
See references of WO 2016095904A1

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 102014118685 A1 20160616; BR 112017012111 A2 20171226; BR 112017012111 B1 20220303; CA 2967081 A1 20160623;
CA 2967081 C 20210810; CN 107223293 A 20170929; EP 3235066 A1 20171025; IL 251810 A0 20170629; IL 251810 B 20190530;
JP 2018503224 A 20180201; JP 3231660 U 20210415; KR 20170092593 A 20170811; MX 2017006056 A 20170719;
MX 365544 B 20190607; TW 201630269 A 20160816; TW I679818 B 20191211; US 10069237 B2 20180904; US 2017346218 A1 20171130;
WO 2016095904 A1 20160623

DOCDB simple family (application)
DE 102014118685 A 20141215; BR 112017012111 A 20151211; CA 2967081 A 20151211; CN 201580064931 A 20151211;
DE 2015100532 W 20151211; EP 15832683 A 20151211; IL 25181017 A 20170419; JP 2017531669 A 20151211; JP 2020004327 U 20201006;
KR 20177017316 A 20151211; MX 2017006056 A 20151211; TW 104141960 A 20151214; US 201515535813 A 20151211