

Title (en)

Connector for moisture-proof electric plug-in connector

Title (de)

Stecker für feuchtigkeitsgeschützte elektrische Steckverbindung

Title (fr)

Prise pour connecteur à fiches électrique protégé contre l'humidité

Publication

EP 2521223 A3 20141126 (DE)

Application

EP 12001334 A 20120229

Priority

DE 102011106727 A 20110506

Abstract (en)

[origin: CN102769225A] A plug for a moisture-protected electrical plug connection has a plug housing having an interior and contact elements secured in the plug housing. Electrical lines extend through the plug housing and are each conductively connected by an electrical connection to one of the contact elements. The electrical lines each have an enveloping insulation. A potting compound fills out the interior of the plug housing. The electrical lines each have a first area without insulation adjoining the electrical connection. An electrically non-conductive spacer is arranged between the first area and the electrical connection. The first area, on a side of the spacer facing away from the electrical connection, is embedded in the potting compound.

IPC 8 full level

H01R 13/523 (2006.01); **H01R 13/52** (2006.01)

CPC (source: EP US)

H01R 13/5216 (2013.01 - EP US); **H01R 13/523** (2013.01 - EP US); **H01R 13/5205** (2013.01 - EP US); **H01R 13/521** (2013.01 - EP US)

Citation (search report)

- [XYI] DE 10054714 A1 20020529 - REBHAN SIEGFRIED [DE]
- [Y] US 5518415 A 19960521 - SANO TAKAHIRO [JP]
- [Y] FR 2683379 A1 19930507 - SEXTANT AVIONIQUE [FR]

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 102011106727 B3 20120705; CN 102769225 A 20121107; CN 102769225 B 20160420; EP 2521223 A2 20121107; EP 2521223 A3 20141126; EP 2521223 B1 20160511; HU E029075 T2 20170228; PL 2521223 T3 20161130; US 2012282794 A1 20121108; US 8591243 B2 20131126

DOCDB simple family (application)

DE 102011106727 A 20110506; CN 201210119130 A 20120417; EP 12001334 A 20120229; HU E12001334 A 20120229; PL 12001334 T 20120229; US 201213461996 A 20120502