

Title (en)
Electric device

Title (de)
Elektrisches Gerät

Title (fr)
Appareil électrique

Publication
EP 2209169 A3 20120201 (DE)

Application
EP 09016019 A 20091224

Priority
DE 102009005052 A 20090115

Abstract (en)
[origin: EP2209169A2] A plug connection has a plug (37) with a contact pin (14) and a mating plug receptacle with contact tube. A closure device (23) is in closed position for protecting the contact tube. The closure device is moved by the plug into an open position, when the plug is inserted into the plug receptacle so as to release the contact tube.

IPC 8 full level
H01R 13/453 (2006.01); **H01R 13/629** (2006.01); **H01R 13/631** (2006.01); **H01R 9/26** (2006.01); **H01R 13/527** (2006.01)

CPC (source: EP US)
H01R 13/4534 (2013.01 - EP US); **H01R 13/62938** (2013.01 - EP US); **H01R 13/6315** (2013.01 - EP US); **H01R 9/2625** (2013.01 - EP US); **H01R 13/527** (2013.01 - EP US); **H01R 13/62955** (2013.01 - EP US)

Citation (search report)

- [A] US 2006040536 A1 20060223 - PUTNAM KEVIN L [US], et al
- [A] EP 0046967 A1 19820310 - SCHULTE STRATHAUS KG F E [DE]
- [A] EP 0898336 A1 19990224 - SUMITOMO WIRING SYSTEMS [JP]
- [A] DE 3151560 A1 19830915 - LOEWENHOFF PETER DIPL ING

Cited by
FR2971372A1; WO2012104172A1

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2209169 A2 20100721; **EP 2209169 A3 20120201**; **EP 2209169 B1 20140806**; DE 102009037202 A1 20101111;
US 2010178787 A1 20100715; US 7892010 B2 20110222

DOCDB simple family (application)
EP 09016019 A 20091224; DE 102009037202 A 20090812; US 68794210 A 20100115