

Title (en)
Electrical connector with automatic engagement

Title (de)
Elektrischer Anschluss mit automatischer Blockierung

Title (fr)
Raccord électrique avec engagement automatique

Publication
EP 2752946 B1 20151028 (FR)

Application
EP 13199878 A 20131231

Priority
FR 1350017 A 20130102

Abstract (en)
[origin: EP2752946A1] The connector (R) has connection elements (100, 200) coupled to one another according to a coupling axis. A locking mechanism comprises a locking pin (104) arranged on a body of one of the connection elements. A locking ring (216) is rotatably mounted around a body of another connection element, and comprises a locking groove (218) with an outlet (236) and a locking notch (238). A safety ring (220) is pushed back by the locking pin, where an axis of travel (X4-X4) of the pin intersects the outlet over the entire rotation range of the locking ring in indexed configuration of the bodies.

IPC 8 full level
H01R 13/52 (2006.01); **H01R 13/625** (2006.01); **H01R 13/639** (2006.01); **H01R 13/641** (2006.01); **H01R 24/22** (2011.01); **H01R 24/30** (2011.01); **H01R 103/00** (2006.01)

CPC (source: EP US)
H01R 13/506 (2013.01 - EP); **H01R 13/5219** (2013.01 - EP US); **H01R 13/625** (2013.01 - EP US); **H01R 13/639** (2013.01 - EP US); **H01R 13/641** (2013.01 - EP US); **H01R 24/22** (2013.01 - EP US); **H01R 24/30** (2013.01 - EP US); **H01R 2103/00** (2013.01 - EP US)

Cited by
NL2018092B1; FR3101204A1; EP3217484A1

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 2752946 A1 20140709; EP 2752946 B1 20151028; CN 103915737 A 20140709; CN 103915737 B 20170922; ES 2553465 T3 20151209; FR 3000620 A1 20140704; FR 3000620 B1 20150227; US 2014187073 A1 20140703; US 9039436 B2 20150526

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EP 13199878 A 20131231; CN 201410001982 A 20140102; ES 13199878 T 20131231; FR 1350017 A 20130102; US 201314137128 A 20131220