

Title (en)

Electrical connection assembly and method of assembling an electrical connector assembly

Title (de)

Elektrische Steckeranordnung und Montageverfahren für eine elektrische Steckeranordnung

Title (fr)

Ensemble de connexion électrique et procédé d'assemblage d'un ensemble de connexion électrique

Publication

EP 2816673 A1 20141224 (EN)

Application

EP 13173113 A 20130620

Priority

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Abstract (en)

An electrical connector assembly (1) comprising an electrical connector having a carrier (2) and a mating connector (3) comprising a mate assist system adapted to assist the mating of the electrical connector to the mating connector. The mate assist system has a lever (4) mounted to pivot on the carrier. The lever is adapted to pivot with respect to the carrier at a pivot connection between the pre-locked and a locked position supporting the connection between the carrier and the mating connector. The pivotable lever has a lever arm portion (4b) actuatable by a user, between the locked position corresponding to an upper boundary level of the lever arm portion, and the pre-locked position corresponding to a lower boundary level of the lever arm portion. A flexible leg (5) extending from the lever engages a locking element (8) located on the carrier in order to lock the lever in its pre-locked position.

IPC 8 full level

H01R 13/627 (2006.01); **H01R 13/629** (2006.01)

CPC (source: EP)

H01R 13/6272 (2013.01); **H01R 13/62927** (2013.01); **H01R 13/62933** (2013.01); **H01R 13/62944** (2013.01)

Citation (applicant)

US 5873745 A 19990223 - DUCLOS JEAN-LOUIS [FR], et al

Citation (search report)

- [XY] WO 2013060772 A1 20130502 - DELPHI TECH INC [US], et al
- [XY] EP 1077512 A2 20010221 - FRAMATOME CONNECTORS INT [FR]
- [YA] US 2009246992 A1 20091001 - MARTIN GALEN M [US]
- [A] WO 2010058529 A1 20100527 - TYCO ELECTRONICS JAPAN G K [JP], et al
- [A] US 6439902 B1 20020827 - COLE BRYAN DONALD [US], et al

Cited by

EP3958407A4; US11695236B2

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)

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DOCDB simple family (application)

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