

Title (en)

Airbag connector

Title (de)

Airbagverbinder

Title (fr)

Connecteur d' airbag

Publication

EP 2026421 A1 20090218 (EN)

Application

EP 07015885 A 20070813

Priority

EP 07015885 A 20070813

Abstract (en)

An airbag electrical connector assembly comprising a socket connector (1) and a plug connector (2) having an actuator (6) for breaking the shorting condition of the shorting element (13) in the socket connector, and a CPA member (7) for latching the plug connector in a pre-mounted position within the socket connector and for locking the plug connector when the connectors (1, 2) are fully mated. The CPA member (7) includes a pair of locking legs (70) and spring arms (73). The locking legs are shifted through interspaces (24) between the latch arms (22) and the plug projection (21) into the locking position. The free end of each spring arm (73) of CPA member (7) is formed as a single lug (74) having a supporting surface (74a) for being supported on stop wall means in the plug housing (3) in the pre-mounted position of the connectors (1, 2), and first and second slanting surfaces (74b, 74c) on the lug (74) for cooperating with an inner insert wall (17) of the socket connector for deflecting the spring arm (73) to come free from the stop wall means, and for being latched behind the stop wall means.

IPC 8 full level

H01R 13/627 (2006.01); **H01R 13/641** (2006.01); **H01R 13/703** (2006.01)

CPC (source: EP)

H01R 13/6273 (2013.01); **H01R 13/641** (2013.01); **H01R 13/7032** (2013.01); **H01R 2201/26** (2013.01)

Citation (applicant)

- US 7108540 B2 20060919 - ANNECKE ALFRED [DE]
- DE 102004034321 B3 20060112 - AMPHENOL TUCHEL ELECT [DE]

Citation (search report)

- [A] EP 1681746 A1 20060719 - AMPHENOL TUCHEL ELECT [DE]
- [A] US 2004248475 A1 20041209 - SEMINARA PHILLIP G [US], et al
- [A] EP 0709928 A2 19960501 - UNITED TECHNOLOGIES AUTOMOTIVE [US]
- [AD] EP 1006621 A2 20000607 - WHITAKER CORP [US]
- [AD] US 7108540 B2 20060919 - ANNECKE ALFRED [DE]

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 2026421 A1 20090218; EP 2026421 B1 20100609; AT E470970 T1 20100615; BR PI0815486 A2 20150224; CN 101821910 A 20100901; CN 101821910 B 20130320; DE 602007007080 D1 20100722; JP 2010537370 A 20101202; JP 4922452 B2 20120425; KR 101174552 B1 20120816; KR 20100053658 A 20100520; WO 2009023200 A2 20090219; WO 2009023200 A3 20090903

DOCDB simple family (application)

EP 07015885 A 20070813; AT 07015885 T 20070813; BR PI0815486 A 20080812; CN 200880111846 A 20080812; DE 602007007080 T 20070813; JP 2010521011 A 20080812; KR 20107005479 A 20080812; US 2008009650 W 20080812