

Title (en)

ELECTRICAL CONNECTOR WITH MATE-ASSIST LEVER AND INTEGRATED CPA

Title (de)

ELEKTRISCHER VERBINDER MIT KOPPLUNGSUNTERSTÜZUNGSHEBEL UND INTEGRIERTEM CPA

Title (fr)

CONNECTEUR ÉLECTRIQUE À LEVIER D'UN DISPOSITIF D'AIDE AU BRANCHEMENT ET CPA INTÉGRÉ

Publication

**EP 3249759 A1 20171129 (EN)**

Application

**EP 16170969 A 20160524**

Priority

EP 16170969 A 20160524

Abstract (en)

The present invention relates to an electrical connector (100) comprising a connector housing (110), a mate assist lever (200) arranged movably on the connector housing (110) to facilitate the mating process with a corresponding counter connector and a locking device (300) mounted movably on said lever (200), wherein the locking device (300) can be arranged in two positions, a deactivated position wherein movement of said lever (200) is prevented and an activated position, which allows movement of said lever (200) characterized in that said lever (200) is arranged on the housing (110), such that in a first position the mating process of the connector (100) with the corresponding counter connector can be initiated and wherein in said first position movement of said lever (200) can be prevented by arranging the locking device (300) in its deactivated position.

IPC 8 full level

**H01R 13/629 (2006.01)**

CPC (source: EP)

**H01R 13/62944 (2013.01); H01R 13/62955 (2013.01); H01R 13/62961 (2013.01)**

Citation (applicant)

- WO 2006101816 A1 20060928 - TYCO ELECTRONICS CORP [US], et al
- WO 2007098253 A2 20070830 - TYCO ELECTRONICS CORP [US], et al
- US 2006089031 A1 20060427 - FLOWERS ROBERT J [US], et al
- WO 2010076592 A1 20100708 - FRAMATOME CONNECTORS INT [FR], et al

Citation (search report)

- [X] US 2011053405 A1 20110303 - KOBAYASHI KOHTARO [JP], et al
- [X] JP 2010287427 A 20101224 - NISSAN MOTOR
- [X] EP 1932217 A2 20080618 - FRAMATOME CONNECTORS INT [FR]
- [X] US 5829994 A 19981103 - ODA KENZO [JP], et al
- [X] DE 102014017625 A1 20150625 - SUMITOMO WIRING SYSTEMS [JP]
- [A] WO 9834449 A1 19980806 - SIEMENS AG [DE], et al
- [A] US 6094353 A 20000725 - KOERBER WERNER [DE], et al

Cited by

CN112701533A; DE102017223810B3; CN113036524A

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)

**EP 3249759 A1 20171129**

DOCDB simple family (application)

**EP 16170969 A 20160524**