

Title (en)
Electric plug connector and method for producing an electric plug connector

Title (de)
Elektrischer Steckverbinder und Verfahren zu dessen Herstellung

Title (fr)
Connecteur électrique à fiche et son procédé de fabrication

Publication
EP 1703595 A3 20080625 (EN)

Application
EP 06004632 A 20060307

Priority
DE 102005012441 A 20050317

Abstract (en)
[origin: EP1703595A2] An electric plug connector (1) comprises a contact element (5, 6), for forming an electrical connection to a corresponding mating contact element, and a contact insert (7, 8) comprising a chamber (70, 80) for introducing and for receiving the contact element (5, 6), the chamber (70, 80) having an end-face opening (72, 82) for introducing the mating contact element. Also provided is a fastening member (10), which is configured and arranged in such a way that the contact element (5, 6) is fixable in the contact insert (7, 8) by locking engagement. The locking method for fixing the contact element (5, 6) in the contact insert (7, 8) allows rapid assembly of the plug connector.

IPC 8 full level
H01R 13/426 (2006.01)

CPC (source: EP US)
H01R 13/426 (2013.01 - EP); **H01R 13/518** (2013.01 - EP); **H01R 13/74** (2013.01 - EP US); **H01R 13/44** (2013.01 - EP);
H01R 13/502 (2013.01 - EP); **H01R 13/6315** (2013.01 - EP)

Citation (search report)

- [XY] DE 8700212 U1 19870423
- [Y] US 5975946 A 19991102 - WATANABE HIROSHI [JP]
- [Y] US 5407363 A 19950418 - POLGAR GARY E [US], et al
- [Y] EP 0963008 A2 19991208 - SUMITOMO WIRING SYSTEMS [JP]
- [Y] FR 2294338 A1 19760709 - BOSCH GMBH ROBERT [DE]
- [Y] US 2003119339 A1 20030626 - BAE HYUN-CHEOL [KR]
- [A] EP 0604196 A1 19940629 - GUEST JOHN ENG [GB]

Cited by
DE112008000804B4; CN105633671A; CN102214868A; CN108321581A; CN112335136A; CN107408775A; EP3066726A4; US9472883B2; US11271341B2; US10680381B2; WO2013152843A1; WO2008128923A1; WO2016151391A1; WO2020001685A1

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1703595 A2 20060920; EP 1703595 A3 20080625; EP 1703595 B1 20100120; AT E456172 T1 20100215; DE 102005012441 A1 20060921; DE 102005012441 B4 20061102; DE 602006011797 D1 20100311; JP 2006261121 A 20060928

DOCDB simple family (application)
EP 06004632 A 20060307; AT 06004632 T 20060307; DE 102005012441 A 20050317; DE 602006011797 T 20060307; JP 2006073286 A 20060316