

Title (en)

Electrical connector with hermaphroditic contact elements

Title (de)

Elektrischer Steckverbinder mit hermaphroditischen Kontaktelementen

Title (fr)

Connecteur à fiches électrique doté d'éléments de contact hermaphrodites

Publication

EP 2026417 A3 20130123 (DE)

Application

EP 08012583 A 20080711

Priority

DE 102007038221 A 20070813

Abstract (en)

[origin: DE102007038221B3] The electrical plug connector has a side piece (110) with a convex protruding molding (111), and a side piece (120) with a concave recess (121). The shape of the concave recess is adapted to the convex protruding molding such that the convex protruding molding of a plug connector lies partly positively against the concave recess of another plug connector and vice versa, in a connected condition of the plug connectors. The side piece with the convex protruding mold is formed in a curved shape.

IPC 1-7

H01R 12/16

IPC 8 full level

H01R 13/28 (2006.01); **H01R 13/20** (2006.01); **H01R 24/84** (2011.01)

CPC (source: EP US)

H01R 12/716 (2013.01 - EP US); **H01R 13/20** (2013.01 - EP US); **H01R 13/28** (2013.01 - EP US)

Citation (search report)

- [X] WO 9921256 A2 19990429 - UT AUTOMOTIVE DEARBORN INC [US]
- [X] US 3011143 A 19611128 - DEAN GORDON W
- [XA] US 6540529 B1 20030401 - YU HUNG-CHI [TW]
- [A] EP 1453149 A1 20040901 - HIROSE ELECTRIC CO LTD [JP]
- [A] DE 19751970 A1 19980910 - MATSUSHITA ELECTRIC WORKS LTD [JP]
- [A] EP 1798825 A2 20070620 - MATSUSHITA ELECTRIC WORKS LTD [JP]
- [A] EP 1798822 A1 20070620 - MATSUSHITA ELECTRIC WORKS LTD [JP]

Cited by

WO2022068996A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

DE 102007038221 B3 20081016; DK 2026417 T3 20141215; EP 2026417 A2 20090218; EP 2026417 A3 20130123; EP 2026417 B1 20140827; ES 2524876 T3 20141215; US 2009047816 A1 20090219; US 7798836 B2 20100921

DOCDB simple family (application)

DE 102007038221 A 20070813; DK 08012583 T 20080711; EP 08012583 A 20080711; ES 08012583 T 20080711; US 21849308 A 20080715