

Title (en)
Electrical connector housing

Title (de)
Gehäuse eines elektrischen Steckverbinders

Title (fr)
Boîtier de connecteur électrique

Publication
EP 2775570 A1 20140910 (EN)

Application
EP 13305258 A 20130307

Priority
EP 13305258 A 20130307

Abstract (en)
An electrical connector housing (10), comprising: a connector body (12) having a longitudinal mating axis (XX) and at least one electrical cavity (24) each arranged to receive an electrical contact, the connector body (12) comprising a peripheral wall (20) arranged to receive a mating peripheral wall of a mating connector body; and a peripheral seal (14) mounted on the peripheral wall (20) of the connector body (12). The peripheral seal (14) has a thickness less or equal to 2.53 mm and comprises a central portion having a sealing lip comprising a guiding part adapted to guide the mating connector body along the mating axis (XX), the guiding part presenting a curved profile pointing toward the peripheral wall (20) of the connector body (12), and the mean radius of curvature of the guiding part being comprised between 4.00 mm and 6.00 mm.

IPC 8 full level
H01R 13/52 (2006.01)

CPC (source: EP)
H01R 13/5219 (2013.01)

Citation (search report)

- [A] US 2002052143 A1 20020502 - HARA TERUFUMI [JP], et al
- [A] WO 2012163736 A1 20121206 - FCI AUTOMOTIVE HOLDING [FR], et al
- [A] WO 2011064628 A1 20110603 - FCI AUTOMOTIVE HOLDING [FR], et al

Cited by
EP3662541A4; US11309650B2; WO2018218989A1; EP3662541B1

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 2775570 A1 20140910; EP 2775570 B1 20160518

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