

Title (en)
Electrical connector

Title (de)
Elektrischer Steckverbinder

Title (fr)
Connecteur électrique

Publication
EP 2056412 A2 20090506 (EN)

Application
EP 08167705 A 20081028

Priority
JP 2007280189 A 20071029

Abstract (en)
An electrical connector includes a plurality of pin contacts, at least two inserts each having inserting holes for inserting and arranging the pin contacts therein, holders for holding the pin contacts relatively to the inserts, a shell forming a fitting opening and having a fitting device to be fitted with a mating connector, a fixing device for fixing the inserts to said shell, and a sealing member for preventing moisture from a casing. One insert located on the fitting opening side is formed from a sealing member, and outer circumferences of the inserting holes on the sides of the inserts in contact with each other are in fitted relationship of projections and recesses. A space is formed between the shell and an outer circumference of the insert nearest to the connection side, and a pouring opening is provided for pouring a waterproof material so as to reach the surface of the insert in contact with the insert nearest to the connection side. A waterproof material is caused to flow through the pouring opening into the space and between the respective inserts so as not to reach the pin contacts to improve waterproof property on the connection side, thereby preventing defective connection due to dew condensation.

IPC 8 full level
H01R 13/52 (2006.01); **H01R 13/74** (2006.01)

CPC (source: EP)
H01R 13/5202 (2013.01); **H01R 13/5216** (2013.01); **H01R 13/748** (2013.01)

Citation (applicant)
• JP 2005285333 A 20051013 - DAIICHI DENSHI KOGYO
• JP H10223297 A 19980821 - DAIICHI DENSHI KOGYO

Cited by
US11296456B2; EP3633802A1; US11539158B2; EP3790119A1; US9531115B2; US11495908B2

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)
EP 2056412 A2 20090506; **EP 2056412 A3 20100317**; **EP 2056412 B1 20160511**; CN 101425640 A 20090506; CN 101425640 B 20110330; JP 2009110754 A 20090521; JP 4951465 B2 20120613

DOCDB simple family (application)
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