

Title (en)

AN ELECTRICAL CONNECTOR WITH A SEALING SYSTEM TO AVOID WATER INFILTRATION

Title (de)

EINEN ELEKTRISCHEN STECKVERBINDER MIT EINEM DICHTUNGSSYSTEM ZUR VERMEIDUNG VON WASSERINFILTRATION

Title (fr)

UN CONNECTEUR ÉLECTRIQUE AVEC UN SYSTÈME D'ÉTANCHÉITÉ POUR ÉVITER LES INFILTRATIONS D'EAU

Publication

**EP 3836311 A1 20210616 (EN)**

Application

**EP 20212452 A 20201208**

Priority

IT 201900023493 A 20191210

Abstract (en)

An electrical connector (C) includes a contact-carrying body (1) and a cover assembly (2) for guiding electrical connection cables (T). The cover assembly (2) comprises a cover element (3) having a main wall (P) that defines a receiving seat (S), and a sealing element (4) arranged within the receiving seat (S). The cover assembly (2) also comprises a locking element (5) designed to lock the sealing element (4) in position, so that, in the assembled condition, the sealing element (4) is interposed between the main wall (P) and the locking element (5). The cover element (3) also includes a plurality of annular ribs (10), in such a way that the cover assembly (2) creates a sealing system to prevent water infiltration into said contact-carrying body (1).

IPC 8 full level

**H01R 13/502** (2006.01); **H01R 13/52** (2006.01); **H01R 13/58** (2006.01)

CPC (source: EP)

**H01R 13/502** (2013.01); **H01R 13/5208** (2013.01); **H01R 13/5825** (2013.01)

Citation (search report)

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- [YA] DE 102014003701 A1 20141002 - AUTONETWORKS TECHNOLOGIES LTD [JP], et al
- [I] US 4973268 A 19901127 - SMITH ALBERT R [US], et al

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WO2024018432A1

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

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