

Title (en)

SEALING DEVICE FOR ELECTRICAL PLUG CONNECTORS

Title (de)

DICHTUNGSEINRICHTUNG FÜR ELEKTRISCHE STECKVERBINDER

Title (fr)

DISPOSITIF D'ETANCHEITE CONÇU POUR DES CONNECTEURS ELECTRIQUES ENFICHABLES

Publication

EP 1428299 A1 20040616 (DE)

Application

EP 02754346 A 20020711

Priority

- DE 0202534 W 20020711
- DE 10143957 A 20010907

Abstract (en)

[origin: WO03028167A1] The aim of the invention is to provide a sealing device (24) for electrical plug connectors (11) which makes it possible to produce functionally reliable plug connectors (11) in a technically simple manner and at low costs. According to the invention, the plug connectors (11) comprise one contact carrier (14) in one plug housing (13) each. Said contact carrier (14) is penetrated by reception chambers (16) that lead with one of their ends to a trough-shaped mounting space (21) of the plug connector (11). Said ends are covered by a retaining element (22) so that a flowable thermosetting sealing mass (23) introduced into the mounting space (21) and completely sealing the contact elements (28) put through remains in the mounting space (21). The sealing device (24) for electrical plug connectors (11) is especially suitable for use in the automotive industry.

IPC 1-7

H01R 13/52

IPC 8 full level

H01R 13/52 (2006.01)

CPC (source: EP KR US)

H01R 13/52 (2013.01 - KR); **H01R 13/5216** (2013.01 - EP US)

Citation (search report)

See references of WO 03028167A1

Cited by

US7639232B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03028167 A1 20030403; AT E295006 T1 20050515; BR 0205969 A 20040203; DE 10143957 A1 20030327; DE 50203026 D1 20050609; EP 1428299 A1 20040616; EP 1428299 B1 20050504; KR 20040028787 A 20040403; TW 554582 B 20030921; US 2004029432 A1 20040212

DOCDB simple family (application)

DE 0202534 W 20020711; AT 02754346 T 20020711; BR 0205969 A 20020711; DE 10143957 A 20010907; DE 50203026 T 20020711; EP 02754346 A 20020711; KR 20037016516 A 20031217; TW 91116552 A 20020725; US 41607103 A 20030910