

Title (en)
Connector with insertion aid for inserting contact elements

Title (de)
Steckverbinder mit Einführhilfe zum Einführen von Kontaktelementen

Title (fr)
Connecteur à fiche avec aide à l'introduction de contacts

Publication
EP 2509168 A3 20121219 (DE)

Application
EP 12158398 A 20120307

Priority
DE 102011006836 A 20110406

Abstract (en)
[origin: EP2509168A2] The connector (1) has a sealing mat (9) that is arranged at a top surface of housing portion (3). The sealing mat is formed of resilient material. Several apertures (17) are provided in the contact chambers (19). A push plate is arranged opposite to the sealing mat at the top surface of the housing portion. A guide portion provided on the push plate is moved with respect to the sealing mat along the longitudinal direction so as to protect the sealing mat, during insertion of a contact element into the contact chamber. An independent claim is included for method for inserting contact element into plug connector.

IPC 8 full level
H01R 13/514 (2006.01); **H01R 13/52** (2006.01); **H01R 43/20** (2006.01)

CPC (source: EP)
H01R 13/5208 (2013.01); **H01R 13/521** (2013.01); **H01R 43/20** (2013.01); **H01R 13/506** (2013.01)

Citation (search report)

- [X] US 6398585 B1 20020604 - FUKUDA MASARU [JP]
- [X] US 2008318473 A1 20081225 - MORIKAWA SATOSHI [JP], et al
- [X] GB 2125513 A 19840307 - AMP INC
- [A] EP 0072104 A1 19830216 - AMP INC [US]
- [AD] DE 102006017448 A1 20071018 - BOSCH GMBH ROBERT [DE]

Cited by
CH709976A1

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 2509168 A2 20121010; EP 2509168 A3 20121219; EP 2509168 B1 20180815; DE 102011006836 A1 20121011

DOCDB simple family (application)
EP 12158398 A 20120307; DE 102011006836 A 20110406