

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 2509167 A3 20121219 (DE)

Application

EP 12158359 A 20120307

Priority

DE 102011006838 A 20110406

Abstract (en)

[origin: EP2509167A2] The connector (1) has a sealing mat (9) made from resilient material, arranged at an upper side of an upper housing portion (3) and provided with openings (17) in a region of contact receiving chambers. A push plate is arranged at the upper side of the housing portion. The push plate is displaceable along a direction toward the sealing mat to exert mechanical pressure on the sealing mat. The sealing mat is designed such that a cross-section of the openings is reduced under the pressure exerted by the push plate. An independent claim is also included for a method for insertion of a contact element into a 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 6494740 B1 20021217 - MURAKAMI TAKAO [JP], et al
- [XI] FR 2872636 A1 20060106 - CHEVALIER SOC PAR ACTIONS SIMP [FR]
- [X] US 4614390 A 19860930 - BAKER ROBERT W [GB]
- [X] FR 2673049 A1 19920821 - FANCELO [FR]
- [X] US 5766039 A 19980616 - ABE KIMIHIRO [JP]

Cited by

CN105958262A

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 2509167 A2 20121010; EP 2509167 A3 20121219; DE 102011006838 A1 20121011

DOCDB simple family (application)

EP 12158359 A 20120307; DE 102011006838 A 20110406