

Title (en)

DEVICE FOR CLOSING AND OPENING A CONNECTOR PASSAGE

Title (de)

VORRICHTUNG ZUM VERSCHLIESSEN UND ZUM ÖFFNEN EINER STECKVERBINDER-DURCHFÜHRUNG

Title (fr)

DISPOSITIF DE FERMETURE ET D'OUVERTURE D'UN PASSAGE POUR CONNECTEURS

Publication

EP 2324538 A1 20110525 (DE)

Application

EP 09777952 A 20090818

Priority

- EP 2009005986 W 20090818
- DE 102008047145 A 20080912

Abstract (en)

[origin: WO2010028738A1] The environmental conditions encountered in industry are not equally suitable for all connectors. Therefore, office connecting technology is rarely used in industry. In order to allow the use of office connecting technology in industry, wall leadthroughs such as are used in the construction of switchboards and appliances are used and cover plug contacts when the plug receiving elements are not used or cover wall passages. The predominantly square or rectangular wall passages also have fastening and positioning means in the form of mounting frames for such connectors. Said mounting frames are covered, e.g. with caps, when not in use in order to close the connector leadthrough or already existing contacts off from unfavorable environmental conditions. The invention relates to a closing device of the above type in the form of a pre-mounted closing element for sealingly closing a connector leadthrough and comprises means for repeatedly closing and opening the leadthrough, the device being easy to handle due to the fact that it can be simply pushed onto the leadthrough and slightly twisted to open (push & twist).

IPC 8 full level

H01R 13/52 (2006.01)

CPC (source: EP US)

H01R 13/5213 (2013.01 - EP US); **H01R 13/5202** (2013.01 - EP US); **H01R 13/6273** (2013.01 - EP US); **H01R 13/633** (2013.01 - EP US); **H01R 13/748** (2013.01 - EP US)

Citation (search report)

See references of WO 2010028738A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2010028738 A1 20100318; CN 102187527 A 20110914; CN 102187527 B 20131106; DE 102008047145 B3 20100429; DK 2324538 T3 20131209; EP 2324538 A1 20110525; EP 2324538 B1 20131009; ES 2436730 T3 20140103; JP 2012502440 A 20120126; JP 5190541 B2 20130424; US 2011189872 A1 20110804; US 8602810 B2 20131210

DOCDB simple family (application)

EP 2009005986 W 20090818; CN 200980136156 A 20090818; DE 102008047145 A 20080912; DK 09777952 T 20090818; EP 09777952 A 20090818; ES 09777952 T 20090818; JP 2011526388 A 20090818; US 200913062751 A 20090818