

Title (en)

SEALED PLUG-IN CONNECTION THAT RUNS THROUGH A DIVIDING WALL AND CORRESPONDING MOUNTING METHOD

Title (de)

ABGEDICHTETE STECKVERBINDUNG DURCH EINE TRENNWAND UND MONTAGEVERFAHREN

Title (fr)

CONNEXION A FICHE ETANCHEIFIEE A TRAVERS UNE PAROI DE SEPARATION ET PROCEDE DE MONTAGE

Publication

EP 1745528 A1 20070124 (DE)

Application

EP 05716340 A 20050323

Priority

- EP 2005003122 W 20050323
- DE 102004017275 A 20040407

Abstract (en)

[origin: WO2005101583A1] The invention relates to a plug-in connection for producing at least one electric connection that runs through an opening (39) in a dividing wall (37). Said plug-in connection comprises a first and a second connector (1, 17), which can be interconnected and at least one of said connectors can be sealed in relation to the dividing wall by means of a seal (28) that surrounds the opening. The invention relates in particular to a plug-in connection, at least one of the connectors of said connection comprising a clamping device, which can be engaged with the other connector and which enables the two connectors to be clamped with the dividing wall in a permanent manner in their connection direction. The invention also relates to a mounting method for producing an electric plug-in connection of this type. The aim of the invention is to increase the impermeability in relation to the environment and the reliability of the connection. To achieve this, the clamping device comprises at least one sealing device (162) for sealing a connection area between the clamping device and the connector or connectors (1, 17).

IPC 8 full level

H01R 13/52 (2006.01); **H01R 13/629** (2006.01); **H01R 13/74** (2006.01)

CPC (source: EP US)

H01R 13/5202 (2013.01 - EP US); **H01R 13/62911** (2013.01 - EP US); **H01R 13/62944** (2013.01 - EP US); **H01R 13/74** (2013.01 - EP US); **H01R 13/62927** (2013.01 - EP US); **H01R 13/62955** (2013.01 - EP US); **H01R 13/741** (2013.01 - EP US)

Citation (search report)

See references of WO 2005101583A1

Cited by

DE102010013446A1; WO2012085681A1; WO2011120868A2; DE202010018115U1; US9859650B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2005101583 A1 20051027; AT E396522 T1 20080615; BR PI0509610 A 20070918; CN 100514762 C 20090715; CN 1965449 A 20070516; DE 102004017275 A1 20051027; DE 502005004197 D1 20080703; EP 1745528 A1 20070124; EP 1745528 B1 20080521; ES 2307156 T3 20081116; PL 1745528 T3 20081031; US 2007197074 A1 20070823; US 7704086 B2 20100427

DOCDB simple family (application)

EP 2005003122 W 20050323; AT 05716340 T 20050323; BR PI0509610 A 20050323; CN 200580018654 A 20050323; DE 102004017275 A 20040407; DE 502005004197 T 20050323; EP 05716340 A 20050323; ES 05716340 T 20050323; PL 05716340 T 20050323; US 59964305 A 20050323