

Title (en)  
PLUG CONNECTOR

Title (de)  
STECKVERBINDER

Title (fr)  
CONNECTEUR

Publication  
**EP 2748897 A2 20140702 (DE)**

Application  
**EP 12758489 A 20120913**

Priority  
• EP 11182003 A 20110920  
• EP 2012067942 W 20120913  
• EP 12758489 A 20120913

Abstract (en)  
[origin: WO2013041439A2] A detachable plug connector, in particular a multiple plug connector, comprising a plug side (1) having an insulating plug housing (10) and having a plug element (2) embedded in the plug housing (10) comprising a pin segment (20) and a contact segment (21) for the electrically conductive connection to an external element, in particular a cable, and a socket side (3) having an insulating socket housing (30) and having a socket element (4) embedded in the socket housing (3) having a socket segment (40) and a contact segment (41) for an electrically conductive connection to an external element, in particular a cable (9), wherein the plug housing (10) can be plugged together with the socket housing (30) in a plug direction (S), and whereby the pin segments (20) of the plug elements (2) protrude into the socket segments (40) of the socket elements (4) in a contacting region (K1, K2) in the plugged state so that an electrical contact can be conveyed between the socket side (3) and the plug side (1) via the socket segment (40) and the pin segment (20), wherein a multitude of socket housings (30) are arranged next to one another, wherein at least one physical protective element (5) is arranged in the socket housing (30) and in the plug housing (10) per pairing of plug element (2) and socket element (4), wherein the physical protective element (5) protects the corresponding pair of plug element (2) and socket element (4) from external influences.

IPC 8 full level  
**H01R 13/52** (2006.01); **H01R 13/56** (2006.01); **H01R 13/58** (2006.01); **H01R 13/648** (2006.01)

CPC (source: EP US)  
**H01R 13/5202** (2013.01 - US); **H01R 13/562** (2013.01 - EP US); **H01R 13/5812** (2013.01 - EP US); **H01R 13/582** (2013.01 - US); **H01R 13/648** (2013.01 - US)

Citation (search report)  
See references of WO 2013041439A2

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

DOCDB simple family (publication)  
**WO 2013041439 A2 20130328; WO 2013041439 A3 20130613**; BR 112014006504 A2 20170627; CN 103814484 A 20140521; CN 103814484 B 20160928; EP 2748897 A2 20140702; JP 2014530452 A 20141117; KR 20140062072 A 20140522; MX 2014003387 A 20140709; US 2014213089 A1 20140731

DOCDB simple family (application)  
**EP 2012067942 W 20120913**; BR 112014006504 A 20120913; CN 201280045935 A 20120913; EP 12758489 A 20120913; JP 2014530216 A 20120913; KR 20147007394 A 20120913; MX 2014003387 A 20120913; US 201214345862 A 20120913