

Title (en)

PLUG-IN CONNECTION WITH PROTECTION AGAINST ELECTRIC SHOCK, IN PARTICULAR SOLAR PLUG-IN CONNECTION

Title (de)

BERÜHRUNGSSICHERE STECKVERBINDUNG, INSBESONDERE SOLARSTECKVERBINDUNG

Title (fr)

CONNEXION PAR FICHES PROTEGEE CONTRE LES CONTACTS, NOTAMMENT CONNEXION PAR FICHES SOLAIRE

Publication

**EP 1867010 A1 20071219 (DE)**

Application

**EP 06724148 A 20060407**

Priority

- EP 2006003210 W 20060407
- DE 102005016266 A 20050408

Abstract (en)

[origin: WO2006105987A1] Plug-in connector which has a plug-side plug-in connector (10) and a socket-side plug-in connector and allows for the socket-side plug-in connector and the plug-side plug-in connector (10) to be plugged together or disassembled, to be precise in order to produce or isolate an electrical contact. In this case, the plug-side plug-in connector (10) has a plug body (11) and a plug element (22) arranged in said plug body (11) and having a connection part and a contact pin (40), the plug body having at least one elongate contact chamber (12) with an opening (99); the elongate contact chamber having an inner wall face (90) extending in the longitudinal direction, a base face arranged transversely with respect thereto in the interior of the plug body and, opposite this base face, a plug-in side with the opening (99) such that the contact chamber is accessible from outside the plug body through the opening; in the contact chamber (12) the contact pin (40) of the plug-in element being arranged parallel to the wall face from the base face in the direction of the opening (99); and finger entry blocking means (60) which protrude into the contact chamber being arranged on the wall face on the plug-in side such that a finger entering the opening is prevented from coming into contact with the contact pin.

IPC 8 full level

**H01R 13/44** (2006.01); **H01R 13/64** (2006.01)

CPC (source: EP)

**H01R 13/44** (2013.01); **H01R 13/64** (2013.01); **H01R 2103/00** (2013.01)

Citation (search report)

See references of WO 2006105987A1

Designated contracting state (EPC)

ES FR GB IT

DOCDB simple family (publication)

**WO 2006105987 A1 20061012**; DE 102005016266 A1 20061012; DE 102005016266 B4 20071025; EP 1867010 A1 20071219; EP 1867010 B1 20100818

DOCDB simple family (application)

**EP 2006003210 W 20060407**; DE 102005016266 A 20050408; EP 06724148 A 20060407