

Title (en)
Electric plug connector

Title (de)
Elektrische Steckverbindung

Title (fr)
Fiche de raccordement électrique

Publication
EP 2882049 B1 20180321 (DE)

Application
EP 14194446 A 20141124

Priority
DE 102013018160 A 20131205

Abstract (en)
[origin: CA2873635A1] An electrical plug-in connection comprising a plug part (1), which accommodates one or more contact pins (3), and a socket part (7), which accommodates one or more socket contacts, such that, when the plug-in connection is closed, the contact pins (3) are plugged into the socket contacts, characterized by coding elements (21, 24, 25) which are located on the plug part (1) and on the socket part (7) and interact in accordance with the lock/key principle in order for the two parts to be fixed in place in a pre-defined plug-in position in relation to one another, and by one or more protrusions (10), and apertures (14) complementing the protrusions (10), on the plug parts (1) or socket parts (7) such that in each case one protrusion (10) is incorporated in the aperture (14), engaging behind the periphery of the associated aperture (14) in the process, and that the aperture (14) has two accommodating chambers (15, 16) arranged one beside the other, wherein the plug-in accommodating-chamber periphery (17) of the one plug-in accommodating chamber (15), said periphery being directed away from the plug-in direction (6), is at such a low level that the associated protrusion (10) slides over it in the plug-in direction (6), and wherein the arresting accommodating-chamber periphery (20) of the arresting accommodating chamber (16), which is adjacent to the plug-in accommodating chamber (15), is at such a high level that the situation where the protrusion (10) slides over said arresting accommodating-chamber periphery (20) is effectively prevented.

IPC 8 full level
H01R 13/625 (2006.01); **H01R 13/64** (2006.01)

CPC (source: EP US)
H01R 13/625 (2013.01 - EP US); **H01R 13/64** (2013.01 - EP US)

Cited by
EP3322046A1; IT201600113670A1

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)
DE 202014001510 U1 20140904; CA 2873635 A1 20150605; CA 2873635 C 20180220; DE 102013018160 B3 20150212;
EP 2882049 A1 20150610; EP 2882049 B1 20180321; ES 2671787 T3 20180608; PL 2882049 T3 20180831; US 2015180167 A1 20150625;
US 9450334 B2 20160920

DOCDB simple family (application)
DE 202014001510 U 20140220; CA 2873635 A 20141205; DE 102013018160 A 20131205; EP 14194446 A 20141124; ES 14194446 T 20141124;
PL 14194446 T 20141124; US 201414561327 A 20141205