

Title (en)  
PLUG-IN CONNECTOR HAVING CONTACTS

Title (de)  
STECKVERBINDER MIT KONTAKTEN

Title (fr)  
CONNECTEUR ÉQUIPÉ DE CONTACTS

Publication  
**EP 2656451 A1 20131030 (DE)**

Application  
**EP 12706460 A 20120217**

Priority  
• DE 202011004089 U 20110317  
• EP 2012000723 W 20120217

Abstract (en)  
[origin: WO2012123062A1] The invention relates to a plug-in connector (1) having a receiving sleeve (2) which encloses an insulation for the contacts (4), and a plug-in portion (3) which can be assembled with said sleeve and which also encloses an insulation (5) for counter contacts (6), wherein said plug-in connector can be coupled and attached in the inserted position without requiring a threading having a counter threading or having a counter nut. For this purpose, the outer side of the plug-in portion (3) and the inner side of the receiving sleeve (2) each have a non-round cross section in some regions on a rotating sleeve (7) which is rotatable relative to the receiving sleeve (2). Said non-round cross sections of the plug regions that can be inserted into one another fit together in a form-fit manner in the peripheral direction, and thus enable assembly in the position of use thereof. In the position of use, said regions are axially offset with respect to each other, so that the non-round region of one portion engages axially behind the other portion, if the rotating sleeve is twisted into the locked position thereof.

IPC 8 full level  
**H01R 13/631** (2006.01); **H01R 13/625** (2006.01); **H01R 13/639** (2006.01)

CPC (source: EP KR US)  
**H01R 13/623** (2013.01 - US); **H01R 13/625** (2013.01 - EP KR US); **H01R 13/631** (2013.01 - KR); **H01R 13/639** (2013.01 - KR);  
**H01R 13/622** (2013.01 - EP US)

Citation (search report)  
See references of WO 2012123062A1

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 202011004089 U1 20110519**; BR 112013023323 A2 20161213; CN 103415965 A 20131127; EA 201300829 A1 20140228;  
EP 2656451 A1 20131030; JP 2014508390 A 20140403; KR 20140026389 A 20140305; US 2014127933 A1 20140508;  
WO 2012123062 A1 20120920

DOCDB simple family (application)  
**DE 202011004089 U 20110317**; BR 112013023323 A 20120217; CN 201280012730 A 20120217; EA 201300829 A 20120217;  
EP 12706460 A 20120217; EP 2012000723 W 20120217; JP 2013558313 A 20120217; KR 20137025763 A 20120217;  
US 201214005623 A 20120217