

Title (en)  
PLUG CONNECTION

Title (de)  
STECKVERBINDUNG

Title (fr)  
CONNEXION ENFICHABLE

Publication  
**EP 3108545 A1 20161228 (DE)**

Application  
**EP 15700030 A 20150108**

Priority  
• DE 202014001590 U 20140220  
• EP 2015000021 W 20150108

Abstract (en)  
[origin: CA2933388A1] The invention relates to a plug connection comprising a first plug (1) that includes a first contact piece (4), and a second plug (2) that includes a second contact piece (5). In the plugged state of the plug connection, the contact pieces (4, 5) are axially in contact with one another in a spring-biased manner. The first contact piece has a three-dimensionally curved end face (7), while the second contact piece has a flaring depression (8) in the end face thereof such that an annular contact zone is formed between the contact pieces (4, 5).

IPC 8 full level  
**H01R 13/24** (2006.01); **H01R 13/53** (2006.01)

CPC (source: EP KR US)  
**H01R 13/187** (2013.01 - US); **H01R 13/2421** (2013.01 - EP KR US); **H01R 13/2464** (2013.01 - EP KR US); **H01R 13/53** (2013.01 - EP KR US); **H01R 2201/26** (2013.01 - KR)

Citation (search report)  
See references of WO 2015124245A1

Cited by  
CN109941139A

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**DE 202014001590 U1 20140407**; CA 2933388 A1 20150827; CN 106030919 A 20161012; CN 106030919 B 20190903; EP 3108545 A1 20161228; EP 3108545 B1 20190417; JP 2017506422 A 20170302; JP 6411532 B2 20181024; KR 20160124077 A 20161026; TW M509452 U 20150921; US 2017012380 A1 20170112; US 9865954 B2 20180109; WO 2015124245 A1 20150827

DOCDB simple family (application)  
**DE 202014001590 U 20140220**; CA 2933388 A 20150108; CN 201580009276 A 20150108; EP 15700030 A 20150108; EP 2015000021 W 20150108; JP 2016552995 A 20150108; KR 20167017267 A 20150108; TW 104200792 U 20150116; US 201515119462 A 20150108