

Title (en)  
ELECTRICAL CONNECTOR

Title (de)  
ELEKTRISCHER STECKVERBINDER

Title (fr)  
CONNECTEUR ÉLECTRIQUE

Publication  
**EP 3533111 A1 20190904 (EN)**

Application  
**EP 17817009 A 20171031**

Priority  
• GB 201618412 A 20161031  
• GB 2017000160 W 20171031

Abstract (en)  
[origin: GB2555485A] An electrical connector 10 comprises a socket 11 having an annular recess 13 which has a conductive outer annular wall surface 13a and a conductive inner annular wall surface 13b electrically isolated from each other. The electrical connector also comprises a plug 18 having an annular projection 21 which has a conductive outer annular wall surface 21a and a conductive inner annular wall surface 21b electrically isolated from each other. The projection of the plug is receivable in the recess of the socket with space in between. The connector further comprises two resilient conductive annular contact elements (25, 27), such as canted coil springs, which are retained in respective grooves (26, 28) that are provided on the outer and inner wall surfaces of the recess or the projection. The annular contact elements are resiliently compressible to produce electrical connections of the opposing outer wall surfaces (13a, 21a) and the opposing inner wall surfaces (13b, 21b) of the recess and projection, and provide two concentric electrical paths respectively.

IPC 8 full level  
**H01R 13/17** (2006.01); **H01R 13/187** (2006.01); **H01R 13/24** (2006.01); **H01R 24/38** (2011.01)

CPC (source: EP GB)  
**H01R 13/17** (2013.01 - EP GB); **H01R 13/187** (2013.01 - EP GB); **H01R 13/20** (2013.01 - GB); **H01R 13/6277** (2013.01 - GB); **H01R 24/38** (2013.01 - GB); **H01R 24/38** (2013.01 - EP); **H01R 2103/00** (2013.01 - GB)

Citation (search report)  
See references of WO 2018078312A1

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

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BA ME

DOCDB simple family (publication)  
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