

Title (en)

Electric connector with a linearly and circularly displaceable plug

Title (de)

Elektrischer Anschluss mit einem linear und kreisförmig verschiebbaren Stecker

Title (fr)

Connecteur électrique avec prise déplaçable linéairement et circulairement

Publication

EP 2445063 A2 20120425 (EN)

Application

EP 11171835 A 20110629

Priority

- GB 201017782 A 20101021
- GB 201100110 A 20110106

Abstract (en)

An electric connector connecting one plug with several sockets in a housing, arranged to allow rotating the plug relative to the housing, as well as linearly moving the plug along the housing, while keeping the connector functional. The plug pins are movably connected to round flat tracks, which are movably connected to linear tracks that are connected via straps to the corresponding sockets' slots.

IPC 8 full level

H01R 31/02 (2006.01); **H01R 24/30** (2011.01); **H01R 24/70** (2011.01); **H01R 25/00** (2006.01); **H01R 35/04** (2006.01); **H01R 103/00** (2006.01)

CPC (source: EP GB)

H01R 31/02 (2013.01 - EP); **H01R 31/06** (2013.01 - GB); **H01R 35/00** (2013.01 - GB); **H01R 24/70** (2013.01 - EP); **H01R 25/006** (2013.01 - EP); **H01R 35/04** (2013.01 - EP); **H01R 2103/00** (2013.01 - EP)

Cited by

CN107230859A; CN111244679A; EP2951895A4; WO2014120017A1

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)

EP 2445063 A2 20120425; **EP 2445063 A3 20130703**; **EP 2445063 B1 20140820**; ES 2498837 T3 20140925; GB 201017782 D0 20101201; GB 201100110 D0 20110216; GB 2484716 A 20120425; GB 2484754 A 20120425; IL 215885 A0 20111229; IL 215885 A 20141231

DOCDB simple family (application)

EP 11171835 A 20110629; ES 11171835 T 20110629; GB 201017782 A 20101021; GB 201100110 A 20110106; IL 21588511 A 20111024