

Title (en)

ELECTRICALLY CONDUCTIVE SCREW CONNECTION AND SPECIAL BUSHING FOR A SCREW CONNECTION OF SAID TYPE

Title (de)

ELEKTRISCH LEITENDE SCHRAUBVERBINDUNG UND SPEZIAL-BUCHSE FÜR EINE SOLCHE SCHRAUBVERBINDUNG

Title (fr)

LIAISON VISSÉE ÉLECTROCONDUCTRICE ET DOUILLE SPÉCIALE POUR UNE TELLE LIAISON VISSÉE

Publication

**EP 2694824 A1 20140212 (DE)**

Application

**EP 12725300 A 20120326**

Priority

- DE 202011004721 U 20110401
- DE 2012200017 W 20120326

Abstract (en)

[origin: CA2832037A1] An electrically conductive screw connection between two parts (10, 12) which are screwed to one another by means of a screw (16) with a screw head (18) and with a shank (22) with an external thread (24) and by means of a nut (28), wherein the screw (16) runs through a bore (14) in one part (10), wherein the electrical contact between the other part (12) and the screw (16) is produced by teeth (27) on the workpiece-side surface of the screw head (18) and/or of the nut (28) or of a washer (30) arranged between the nut (28) and the other part (12), whereas the contact between the screw (16) and one part (10) is produced by a bushing (34; 34') which is formed so as to be radially elastic and which is arranged coaxially with respect to the shank (22) of the screw (16) in a portion (15) of the bore (14) with an enlarged inner diameter.

IPC 8 full level

**F16B 5/02** (2006.01)

CPC (source: EP KR)

**F16B 5/02** (2013.01 - KR); **F16B 19/02** (2013.01 - EP); **H01R 4/30** (2013.01 - KR); **H01R 4/304** (2013.01 - EP); **H01R 4/34** (2013.01 - EP); **H01R 13/11** (2013.01 - EP); **F16B 41/002** (2013.01 - EP); **F16B 2200/93** (2023.08 - EP); **H01R 4/64** (2013.01 - EP); **H01R 2201/26** (2013.01 - EP)

Citation (search report)

See references of WO 2012130234A1

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 202011004721 U1 20110609**; AU 2012237597 A1 20130509; BR 112013023854 A2 20170117; CA 2832037 A1 20121004; CN 103635700 A 20140312; EP 2694824 A1 20140212; JP 2014514510 A 20140619; KR 20140012690 A 20140203; MX 2013011358 A 20131210; WO 2012130234 A1 20121004

DOCDB simple family (application)

**DE 202011004721 U 20110401**; AU 2012237597 A 20120326; BR 112013023854 A 20120326; CA 2832037 A 20120326; CN 201280016977 A 20120326; DE 2012200017 W 20120326; EP 12725300 A 20120326; JP 2014501444 A 20120326; KR 20137025266 A 20120326; MX 2013011358 A 20120326