

Title (en)

STRAIN-RELIEF DEVICE FOR A PLUG-IN CONNECTION IN COMMUNICATIONS AND DATA SYSTEMS

Title (de)

ZUGENTLASTUNG FÜR EINEN STECKVERBINDER IN DER KOMMUNIKATIONS- UND DATENTECHNIK

Title (fr)

REDUCTEUR DE TENSION DESTINE A UN CONNECTEUR ENFICHABLE DANS LES TECHNIQUES DE LA COMMUNICATION ET DE L'INFORMATION

Publication

EP 1428300 A1 20040616 (DE)

Application

EP 02772141 A 20020812

Priority

- DE 10146119 A 20010919
- EP 0209023 W 20020812

Abstract (en)

[origin: DE10146119C1] The invention relates to a strain-relief device (1) for a plug-in connector in communications and data systems. Said device comprises a base part (10) for receiving at least one part of the plug-in connector and a cable (51) that is to be connected to the plug-in connector. The base part (10) is configured with first detent means and a locking element (30), said locking element (30) being configured with second detent means, which form a detent connection with the first detent means of the base part (10). The locking element (30) is configured as a spring comprising two limbs (31), which can be displaced along a guide (20) on the base part (10). The base part (10) is configured with at least one support point (21) for the locking element (30) and the locking element (30) is designed in such a way that a counteracting force produced by the cable (51) displaces the second detent means located on the limbs (31) towards the first detent means of the base part (10).

IPC 1-7

H01R 13/58; **H01R 13/658**

IPC 8 full level

H01R 13/58 (2006.01); **H01R 13/658** (2011.01)

CPC (source: EP KR US)

H01R 13/58 (2013.01 - KR); **H01R 13/5808** (2013.01 - EP US); **H01R 13/5812** (2013.01 - EP US); **H01R 13/6583** (2013.01 - EP)

Citation (search report)

See references of WO 03026076A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

DE 10146119 C1 20021219; AT E464680 T1 20100415; BR 0212581 A 20041013; CA 2458519 A1 20030327; CA 2458519 C 20091006; CN 1279659 C 20061011; CN 1555595 A 20041215; CY 1110197 T1 20150114; DE 50214365 D1 20100527; DK 1428300 T3 20100614; EP 1428300 A1 20040616; EP 1428300 B1 20100414; ES 2342157 T3 20100702; HK 1070186 A1 20050610; KR 100869678 B1 20081121; KR 20040029182 A 20040403; MX PA04002325 A 20040629; MY 128782 A 20070228; PT 1428300 E 20100531; SA 02230334 B1 20070424; TW 571461 B 20040111; US 2005020124 A1 20050127; US 2007020990 A1 20070125; US 2007259563 A1 20071108; US 7114987 B2 20061003; US 7267572 B2 20070911; US 7371106 B2 20080513; WO 03026076 A1 20030327

DOCDB simple family (application)

DE 10146119 A 20010919; AT 02772141 T 20020812; BR 0212581 A 20020812; CA 2458519 A 20020812; CN 02818278 A 20020812; CY 101100661 T 20100714; DE 50214365 T 20020812; DK 02772141 T 20020812; EP 0209023 W 20020812; EP 02772141 A 20020812; ES 02772141 T 20020812; HK 05102762 A 20050401; KR 20047003950 A 20020318; MX PA04002325 A 20020812; MY PI20022994 A 20020813; PT 02772141 T 20020812; SA 02230334 A 20020925; TW 91118798 A 20020820; US 49015604 A 20040913; US 54043106 A 20060929; US 82780907 A 20070713