

Title (en)

A conductor restraining lever for a contact-holder unit of an electrical connection socket/plug

Title (de)

Leitungsrückhaltehebel für eine Kontakthaltereinheit einer/s elektrischen Verbindungsbuchse oder -steckers

Title (fr)

Corps d'une unité de support de contact pour fiche/prise de connexion électrique

Publication

EP 1801916 A1 20070627 (EN)

Application

EP 07104713 A 20040518

Priority

- EP 04739237 A 20040518
- IT TO20030086 U 20030520

Abstract (en)

The lever (10) is for guiding and restraining an electrical conductor (c1 or c2 or c3) to be inserted between the facing edges of a pair of contact blades (4a, 4b) mounted in the body (7) of a contact-holder unit for an electrical connection socket/plug. The lever has a side (10a) with an annular portion (11, 12) for restraining a respective conductor (c1-c3). An end of the lever has pins (13) for pivotably mounting the lever on the body (7) in order to selectively adopt a first, open or released position (10') in which the conductor is released from the pair of blades, and a second, closed or locked position on the body (7) in which the conductor is inserted between the facing edges of the pair of blades in order to ensure electrical contact. On the face (10a) the lever has a radially projecting portion (15) which can urge the conductor (c1-c3) towards and between the contact blades (4a, 4b), forcing the conductor to adopt a bent shape.

IPC 8 full level

H01R 4/24 (2006.01); **H01R 13/502** (2006.01); **H01R 13/506** (2006.01); **H01R 13/58** (2006.01)

CPC (source: EP)

H01R 4/2433 (2013.01); **H01R 13/506** (2013.01); **H01R 13/652** (2013.01); **H01R 24/30** (2013.01); **H01R 13/5816** (2013.01); **H01R 2103/00** (2013.01)

Citation (applicant)

- EP 1178574 A1 20020206 - GEWISS SPA [IT]
- WO 9633523 A1 19961024 - WHITAKER CORP [US]
- FR 2414261 A1 19790803 - HUBBELL INC HARVEY [US]

Citation (search report)

- [X] WO 9633523 A1 19961024 - WHITAKER CORP [US]
- [X] FR 2414261 A1 19790803 - HUBBELL INC HARVEY [US]

Designated contracting state (EPC)

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

Designated extension state (EPC)

HR LT LV

DOCDB simple family (publication)

WO 2004105186 A1 20041202; AT E371277 T1 20070915; AT E381796 T1 20080115; BR PI0411144 A 20060711; BR PI0411144 B1 20161018; CN 100433456 C 20081112; CN 1792007 A 20060621; DE 602004008457 D1 20071004; DE 602004008457 T2 20080515; DE 602004010853 D1 20080131; DE 602004010853 T2 20080430; EG 23961 A 20080211; EP 1629571 A1 20060301; EP 1629571 B1 20070822; EP 1801916 A1 20070627; EP 1811603 A1 20070725; EP 1811603 B1 20071219; ES 2293270 T3 20080316; ES 2294776 T3 20080401; IT TO20030086 U1 20041121; PL 1629571 T3 20080131; PL 1811603 T3 20080530; RS 20050867 A 20061027; RS 49994 B 20080929; RU 2005139733 A 20060610; RU 2330359 C2 20080727

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