

Title (en)

Electric socket with controlled insertion and extraction forces

Title (de)

Steckdose mit kontrollierter Steck- und Ausziehkraft

Title (fr)

Prise de courant électrique à forces d'insertion et d'extraction contrôlées

Publication

EP 1843434 A1 20071010 (FR)

Application

EP 07290280 A 20070305

Priority

- FR 0610940 A 20061214
- FR 0603063 A 20060407

Abstract (en)

The socket has female contacts (3) with a retaining unit placed in an active or inactive configuration and formed of a retractable hook and a corresponding stop. The hook retains the stop, in the active configuration, and maintains a slider, with respect to a base, in an armed position in which the contacts are placed in a spaced configuration, by retractors (61). A bistable slider (6) is returned elastically, in the inactive configuration, by springs (R) to a rest position in which the retractors are disengaged from the contacts and permit the contacts to adopt a locked configuration.

Abstract (fr)

L'invention concerne une prise de courant électrique comprenant au moins deux contacts femelles (3) formant chacun une pince élastique. La prise de l'invention comprend en outre un coulisseau (6) déterminant, en fonction de sa position, la configuration ouverte ou fermée des contacts femelles (3), un palpeur (70) sensible à l'introduction d'une fiche et déterminant la position du coulisseau, et un doigt d'actionnement (5) permettant de replacer le coulisseau dans sa position initiale.

IPC 8 full level

H01R 13/193 (2006.01); **H01R 13/639** (2006.01)

CPC (source: EP)

H01R 13/193 (2013.01); **H01R 13/6395** (2013.01)

Citation (search report)

- [A] US 5791931 A 19980811 - BURKHART SR STEVEN ANDREW [US]
- [A] US 6171129 B1 20010109 - PHILLIPS DUANE A [US]
- [A] US 5108301 A 19920428 - TOROK DALE W [US]
- [A] US 5551884 A 19960903 - BURKHART SR STEVEN A [US]

Cited by

EP2056409A1; FR2923089A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1843434 A1 20071010; EP 1843434 B1 20081105; AT E413704 T1 20081115; DE 602007000222 D1 20081218; ES 2317630 T3 20090416; FR 2899729 A1 20071012; FR 2899729 B1 20080627

DOCDB simple family (application)

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