

Title (en)

Plug-in element for an electrical connector and method for mounting same

Title (de)

Steckerteil für einen elektrischen Steckverbinder sowie Verfahren zur Montage eines Steckerteils

Title (fr)

Élément enfichable pour un connecteur à fiche électrique ainsi que procédé de montage d'un élément enfichable

Publication

**EP 2442407 A3 20130417 (DE)**

Application

**EP 11184657 A 20111011**

Priority

DE 102010042341 A 20101012

Abstract (en)

[origin: EP2442407A2] The part (1) has a locking ring (13) i.e. plate spring, surrounding a cable (8) at a circumferential side and comprising an edge bar, which is completely rotated against a plane of a bottom ring (19) of the locking ring. The bar is inclined at an angle between 3 to 15 degrees in a mounted final state of the plug part. The bar is supported at an inner side of a housing part (2) at an assembled state of the plug part. The ring comprises safety teeth (20, 21) that are outwardly arranged by the bottom ring and supported at the inner side at the assembled state of the plug part. An independent claim is also included for a method for mounting a plug part for an electrical plug-in connector.

IPC 8 full level

**H01R 13/58** (2006.01)

CPC (source: EP)

**H01R 13/508** (2013.01); **H01R 13/5205** (2013.01); **H01R 13/58** (2013.01); **H01R 13/5804** (2013.01); **H01R 13/5837** (2013.01); **H01R 13/562** (2013.01)

Citation (search report)

- [X] GB 2168548 A 19860618 - AMP INC
- [X] US 2010112855 A1 20100506 - PAYNTER JEFFERY [US], et al
- [X] DE 102007038168 A1 20080327 - SUMITOMO WIRING SYSTEMS [JP]
- [X] US 5728987 A 19980317 - UTKE GENE H [US]
- [A] DE 19712810 A1 19981001 - WHITAKER CORP [US]

Cited by

EP2874241A1; WO2015071377A1

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 2442407 A2 20120418; EP 2442407 A3 20130417; EP 2442407 B1 20161207; DE 102010042341 B3 20120405**

DOCDB simple family (application)

**EP 11184657 A 20111011; DE 102010042341 A 20101012**