

Title (en)

ELECTRICAL CONTACT ELEMENT WITH A LATCHING LANCE FOR A PLUG HOUSING

Title (de)

ELEKTRISCHES KONTAKTELEMENT MIT RASTLANZE FÜR EIN STECKERGEHÄUSE

Title (fr)

ÉLÉMENT DE CONTACT ÉLECTRIQUE PRÉSENTANT UNE LANCE ENCLIQUETABLE POUR UN BOÎTIER DE CONNECTEUR

Publication

EP 2740185 B1 20180321 (DE)

Application

EP 12726434 A 20120606

Priority

- DE 102011080362 A 20110803
- EP 2012060759 W 20120606

Abstract (en)

[origin: WO2013017322A2] The invention proceeds from an electrical contact element (2) for a single- or multi-pole plug housing having at least one contact element accommodation chamber which is composed of electrically insulating material for accommodating the at least one electrical contact element (2). The electrical contact element (2) has a fastening section (4) for fastening an electrical line. The electrical contact element (2) has a contact section (6) for establishing an electrically conductive connection with a corresponding mating contact element. The electrical contact element (2) has at least one latching lance (14), wherein the latching lance (14) can be moved from a first position to a second position and vice versa. The latching lance (14) projects obliquely outwards in the first position. The latching lance (14) latches with the contact element accommodation chamber in the first position when the electrical contact element (2) is arranged in a predetermined position in the contact element accommodation chamber. According to the invention, the latching lance (14) also has a first locking element (22). The electrical contact element has a second locking element (24) which corresponds to the first locking element (22), wherein, in the first position, the first locking element (22) and the second locking element (24) are connected to one another on account of a force (F) which acts on the latching lance (14) against a pull-out direction (A) of the electrical contact element (2) out of the contact element accommodation chamber.

IPC 8 full level

H01R 13/432 (2006.01)

CPC (source: EP)

H01R 13/432 (2013.01)

Citation (examination)

- EP 1962386 A2 20080827 - TYCO ELECTRONICS AMP GMBH [DE]
- DE 102009054705 A1 20110616 - BOSCH GMBH ROBERT [DE]

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 102011080362 A1 20130207; CN 103703633 A 20140402; CN 103703633 B 20170426; EP 2740185 A2 20140611; EP 2740185 B1 20180321; TW 201320488 A 20130516; TW I528649 B 20160401; WO 2013017322 A2 20130207; WO 2013017322 A3 20130523

DOCDB simple family (application)

DE 102011080362 A 20110803; CN 201280038613 A 20120606; EP 12726434 A 20120606; EP 2012060759 W 20120606; TW 101127674 A 20120801