

Title (en)

CONTACT INSERT FOR A CONNECTOR PART

Title (de)

KONTAKTEINSATZ FÜR EIN STECKVERBINDETEIL

Title (fr)

INSERT DE CONTACTS POUR UNE PARTIE DE CONNECTEUR

Publication

EP 3312940 B1 20200115 (DE)

Application

EP 17195383 A 20171009

Priority

DE 102016120002 A 20161020

Abstract (en)

[origin: CN107968297A] Contactors (2, 4) used for insert parts (1,3) comprise a framework part (20) equipped with an insert section (200) which is connected with other insert parts (3,1) in an inserting manner. The contactors also comprise at least one electric contact element (211, 411) arranged on the insert section (200) and a grounded element (22) arranged on the framework part (20). A protection guide wire (25) can be connected to the grounded element. The grounded element (22) is further equipped with a touch device (23) provided with a socket (231) in which the protection guide wire (25) can be inserted and a spring element (26). The spring element is arranged on a housing (230) and used for protecting fixation of the guide wire (25) in the socket (21) and used for contacting the protection guide wire (25) with the grounded element (22). Through this mode, the contactors used for the insert parts are provided. The simple connection of the protection guide wire is made possible.

IPC 8 full level

H01R 13/514 (2006.01); **H01R 13/518** (2006.01); **H01R 13/648** (2006.01)

CPC (source: CN EP)

H01R 4/48 (2013.01 - CN); **H01R 13/514** (2013.01 - CN EP); **H01R 13/518** (2013.01 - EP); **H01R 13/648** (2013.01 - CN EP); **H01R 13/655** (2013.01 - CN)

Citation (examination)

- DE 29505272 U1 19950720 - PHOENIX CONTACT GMBH & CO [DE]
- DE 102013108383 A1 20150205 - HARTING ELECTRIC GMBH & CO KG [DE]
- JP 2004319196 A 20041111 - AUTO NETWORK GIJUTSU KENKYUSHO, et al

Citation (opposition)

Opponent : HARTING Electric GmbH & Co. KG

- DE 102013108383 A1 20150205 - HARTING ELECTRIC GMBH & CO KG [DE]
- DE 29505272 U1 19950720 - PHOENIX CONTACT GMBH & CO [DE]
- WO 2011017282 A1 20110210 - 3M INNOVATIVE PROPERTIES CO [US], et al
- JP 2004319196 A 20041111 - AUTO NETWORK GIJUTSU KENKYUSHO, et al
- US 5478259 A 19951226 - NOSCHES ROCCO J [US]
- DE 202014010621 U1 20160211 - HARTING ELECTRIC GMBH & CO KG [DE]
- WO 2015091098 A1 20150625 - EATON ELECTRICAL IP GMBH & CO [DE]
- DE 8111418 U1 19811105
- EP 2544314 A2 20130109 - TYCO ELECTRONICS AMP GMBH [DE]
- WO 2011069522 A1 20110616 - HARTING ELECTRIC GMBH & CO KG [DE], et al
- DE 102011115637 A1 20121227 - PHOENIX CONTACT GMBH & CO [DE]
- DE 202010008028 U1 20101230 - WEIDMUELLER INTERFACE [DE]
- DE 202006009460 U1 20070315 - WEIDMUELLER INTERFACE [DE]
- DE 102007013536 B3 20081002 - PHOENIX CONTACT GMBH & CO [DE]
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DOCDB simple family (application)

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