

Title (en)

AN ADAPTER DEVICE FOR ADAPTING CIVIL ELECTRICAL PLUGS TO INDUSTRIAL SOCKETS

Title (de)

EINE ADAPTERVORRICHTUNG ZUR ANPASSUNG VON ZIVILEN ELEKTRISCHEN STECKERN AN INDUSTRIELLE STECKDOSEN

Title (fr)

UN DISPOSITIF D'ADAPTATION DE FICHES ÉLECTRIQUES CIVILES AUX PRISES INDUSTRIELLES

Publication

EP 3754790 A1 20201223 (EN)

Application

EP 20179752 A 20200612

Priority

IT 201900009429 A 20190619

Abstract (en)

An adapter device for adapting civil electrical plugs (26) to industrial sockets, comprising:- a connector body (12) having a longitudinal axis (A) and having a plug portion (16) and a socket portion (18) located on opposite sides of a plane orthogonal to said longitudinal axis (A), and- a casing (14) comprising two shells (32) arranged on opposite sides with respect to a plane passing through said longitudinal axis (A), wherein said shells (32) have respective front sections (36) that enclose the socket portion (18) of the connector body (12), respective central sections (38) that enclose the civil plug (26) engaged in the socket portion (18) of the connector body (12) and respective rear sections (34) forming a hole (42) for the passage of an electric cable (44) connected to the civil plug (26), wherein said casing (14) comprises a ring-shaped closing element (34) which fastens said shells (32) together in the closed position, wherein the closing element (34) is in contact with the outer surfaces of the central portions (38) of said shells (32) and is provided with at least two elastically deformable teeth (52) which snap-engage respective seats (54) formed on the outer surfaces of the front sections (36) of said shells (32).

IPC 8 full level

H01R 13/508 (2006.01); **H01R 13/516** (2006.01); **H01R 13/58** (2006.01); **H01R 31/06** (2006.01)

CPC (source: EP)

H01R 13/508 (2013.01); **H01R 13/516** (2013.01); **H01R 13/5804** (2013.01); **H01R 31/06** (2013.01)

Citation (applicant)

- US 6454576 B1 20020924 - HEDRICK PAUL [US], et al
- US 6234823 B1 20010522 - FUESS PAUL MARTIN [US]
- DE 102004033636 A1 20050324 - DEWERT ANTRIEBS SYSTEMTECH [DE]
- IT MI20130315 U 20130920

Citation (search report)

- [AD] US 6234823 B1 20010522 - FUESS PAUL MARTIN [US]
- [A] US 6193558 B1 20010227 - YANG SUNG OOK [US]

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)

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