Title (en)

PLASTIC SEAL SHEATH FOR A CONDUCTOR CONNECTION, CONNECTING PART, COVER NUT AND SEALED CONNECTION BETWEEN TWO CONDUCTORS

Title (de)

KUNSTSTOFF-DICHTUNGSHÜLLE FÜR EINE LEITERVERBINDUNG,VERBINDUNGSTEIL, ABDECKMUTTER SOWIE ABGEDICHTETE VERBINDUNG ZWISCHEN ZWEI LEITERN

Title (fr)

BAGUE DE PASSE-FIL EN PLASTIQUE POUR UNE LIAISON DE CONDUCTEUR, PIECE DE LIAISON, ECROU DE RECOUVREMENT ET LIAISON ETANCHE ENTRE DEUX CONDUCTEURS

Publication

EP 3076487 B1 20190501 (DE)

Application

EP 16163075 A 20160331

Priority

- DE 202015101619 U 20150331
- DE 202016100256 U 20160121

Abstract (en)

[origin: US2016294107A1] The invention initially relates to a plastic sealing internal sheath (13) for a conductor connection between a first conductor (1) and a second conductor (11), wherein, in the connected state, the first conductor (1) is joined with the second conductor (11) by means of a mandrel (12) that yields a conductive connection, wherein the mandrel (12) passes through a push-through area (8) of the first conductor (1). In order to further improve such a sealing internal sheath, it is proposed that the sealing internal sheath (13) that can be slipped over the first conductor (1) exhibits a receiving area (15) for the first conductor (1) completely enveloped transverse to a push-through direction (r) at its end allocated to the push-through area (8) of the first conductor (1), and a passage opening (17) in the push-through direction (r), wherein the passage opening (17) exhibits a first and second opening edge in the push-through direction (r), and has a closed, continuous sealing lip (18) at least on the second opening edge, and the end of the sealing internal sheath (13) facing away from the connection area is designed to interact with the first conductor (1) so as to form a seal. The invention also relates to a connection part for establishing an electrical connection between two electrical conductors. The invention further relates to a casing for sealing an electrical connection between two electrical conductors.

IPC 8 full level

H01R 4/30 (2006.01); **H01R 4/34** (2006.01); **H01R 4/70** (2006.01); **H01R 11/12** (2006.01); **H01R 11/28** (2006.01); **H01R 13/52** (2006.01)

CPC (source: EP US)

H01R 4/30 (2013.01 - US); **H01R 4/34** (2013.01 - EP US); **H01R 4/70** (2013.01 - US); **H01R 11/12** (2013.01 - EP US); **H01R 11/284** (2013.01 - EP US); **H01R 13/5216** (2013.01 - US); H01R 4/70 (2013.01 - EP); H01R 13/5219 (2013.01 - EP US)

Citation (examination)

- US 2009149069 A1 20090611 - CARCANGIU GIACOMO [IT], et al
- US 5346408 A 19940913 - CHUPAK JOHN M [US]

Cited by

WO2018059666A1

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 202016100256 U1 20160704; DE 102016100978 A1 20161006; EP 3076487 A2 20161005; EP 3076487 A3 20170111; EP 3076487 B1 20190501; PL 3076487 T3 20191031; US 10211565 B2 20190219; US 2016294107 A1 20161006

DOCDB simple family (application)

DE 202016100256 U 20160121; DE 102016100978 A 20160121; EP 16163075 A 20160331; PL 16163075 T 20160331; US 201615084650 A 20160330