

Title (en)

ELECTRICAL CONNECTION ELEMENT PENETRATING AN ELECTRICAL WIRE INSULATION SHEATH

Title (de)

ELEKTRISCHES VERBINDUNGSELEMENT, DAS EINEN STROMDRAHTISOLIERUNGSMANTEL PENETRIERT

Title (fr)

ELEMENT DE CONNEXION ELECTRIQUE A PERÇAGE DE GAINÉ ISOLANTE D'UN FIL ELECTRIQUE

Publication

EP 3227966 B1 20210106 (FR)

Application

EP 15817969 A 20151204

Priority

- FR 1461999 A 20141205
- FR 2015053327 W 20151204

Abstract (en)

[origin: WO2016087799A1] The invention relates to an electrical connection element (10) penetrating an insulation sheath. Said electrical connection element comprises a first slot (11) and a second slot (21) for inserting at least one insulated electrical wire therethrough, each slot being defined by two edges (11A, 11B, 21A, 21B) facing each other, at least one of which is sharp. Said two edges of each of the first and second slots belong, respectively, to two portions (30, 40) of the connection element. Said portions include a central portion (30), flanked by a peripheral portion (40). The edges defining said first and second slots are formed by the two opposite edges of the central portion and the two facing edges of the peripheral portion. Said central portion is tab-shaped (30A), and said peripheral portion is in the form of a generally U-shaped spring leaf (40A) with a base (41), from which two opposite side flanges (42), flanking said tab, rise. According to the invention, said two portions are separate and made of two materials having different electrical conductivities.

IPC 8 full level

H01R 4/2416 (2018.01); **H01R 4/2466** (2018.01); **H01R 4/2454** (2018.01)

CPC (source: CN EP US)

H01R 4/2416 (2013.01 - CN EP US); **H01R 4/2466** (2013.01 - CN EP); **H01R 4/2454** (2013.01 - CN EP 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

DOCDB simple family (publication)

WO 2016087799 A1 20160609; CN 107004965 A 20170801; CN 107004965 B 20200131; EP 3227966 A1 20171011; EP 3227966 B1 20210106; ES 2861303 T3 20211006; FR 3029698 A1 20160610; FR 3029698 B1 20180302

DOCDB simple family (application)

FR 2015053327 W 20151204; CN 201580065964 A 20151204; EP 15817969 A 20151204; ES 15817969 T 20151204; FR 1461999 A 20141205