Title (en)

ELECTRICAL PLUG CONTACT FOR HIGH-CURRENT APPLICATIONS AND ELECTRICAL CONNECTOR SYSTEM FOR HIGH-CURRENT APPLICATIONS

Title (de)

ELEKTRISCHER STECKKONTAKT FÜR HOCHSTROMANWENDUNGEN UND STECKVERBINDERSYSTEM FÜR HOCHSTROMANWENDUNGEN

Title (fr)

CONTACT MÂLE ÉLECTRIQUE POUR APPLICATIONS À FORT COURANT ET SYSTÈME DE CONNECTEUR POUR APPLICATIONS À FORT COURANT

Publication

EP 3662543 B1 20240228 (DE)

Application

EP 18749346 A 20180731

Priority

- DE 102017213150 A 20170731
- EP 2018070668 W 20180731

Abstract (en)

[origin: WO2019025402A1] The invention relates to an electrical plug contact for high-current applications. The plug contact comprises a housing (20), which extends along a longitudinal axis (A) and has an interior space (21) for receiving a mating contact (8). The plug contact also comprises a cable (1), which is formed from a plurality of stranded wires (5a). The cable (1) is guided from an outside space (22) of the housing (20) into the interior space (21) of the housing (20) and is fastened to the housing (20). The cable (1) has an end (1a) in the interior space (21). The cable (1) has a damping portion (4) adjacent to the end (1a), in which damping portion the cable (1) is split into a plurality of separate line strands (5). A contacting element (6) suitable for electrically and mechanically contacting the mating contact (8) is fastened to at least two line strands (5).

IPC 8 full level

H01R 13/533 (2006.01); **H01R 43/28** (2006.01)

CPC (source: EP US)

H01R 13/111 (2013.01 - US); **H01R 13/113** (2013.01 - US); **H01R 13/533** (2013.01 - EP); H01R 43/28 (2013.01 - EP)

Citation (examination)

- EP 0276895 B1 19930818
- WO 2016069570 A2 20160506 - FCI ASIA PTE LTD [SG], et al

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 102017213150 A1 20190131; CN 110892590 A 20200317; CN 110892590 B 20210507; EP 3662543 A1 20200610; EP 3662543 B1 20240228; US 11024997 B2 20210601; US 2020243996 A1 20200730; WO 2019025402 A1 20190207

DOCDB simple family (application)

DE 102017213150 A 20170731; CN 201880049490 A 20180731; EP 18749346 A 20180731; EP 2018070668 W 20180731; US 201816634949 A 20180731