

Title (en)

ELECTRICAL CONNECTOR FOR A MULTI-CORE ELECTRIC CABLE

Title (de)

ELEKTRISCHER STECKVERBINDER FÜR EIN MEHRADRIGES ELEKTRISCHES KABEL

Title (fr)

CONNECTEUR ÉLECTRIQUE POUR UN CÂBLE ÉLECTRIQUE MULTI-FILS

Publication

**EP 3364507 B1 20200520 (DE)**

Application

**EP 17156695 A 20170217**

Priority

EP 17156695 A 20170217

Abstract (en)

[origin: US2018241157A1] An electrical connector for a multi-wire electrical cable has two or more cable-side electrical contact elements including associated electrical terminals to each of which is to be connected a wire of the electrical cable, and has two or more output-side electrical contact elements, from each of which projects an electrical connector element via which an electrical connection is establishable to a mating connector. An inductive electrical device is disposed between the cable-side and the output-side electrical contact elements. The inductive electrical device is integrally formed with the cable-side and/or the output-side electrical contact elements. The cable-side and the output-side electrical contact elements are electrically connected to each other via the inductive electrical device. The inductive electrical device includes a coil having a plurality of integrally formed windings and/or is at least partially enclosed by a jacket of a plastic material having ferromagnetic material mixed in the plastic material.

IPC 8 full level

**H01R 13/7197** (2011.01); **H01R 13/66** (2006.01)

CPC (source: CN EP US)

**H01F 27/2823** (2013.01 - US); **H01R 9/11** (2013.01 - CN); **H01R 13/04** (2013.01 - US); **H01R 13/62** (2013.01 - US); **H01R 13/6593** (2013.01 - US); **H01R 13/6633** (2013.01 - EP US); **H01R 13/719** (2013.01 - US); **H01R 13/7197** (2013.01 - EP US); **H01R 24/38** (2013.01 - CN); **H01F 27/303** (2013.01 - US); **H01R 13/504** (2013.01 - US); **H01R 13/6594** (2013.01 - US); **H01R 13/6597** (2013.01 - US)

Cited by

EP4322341A1; WO2024032936A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 3364507 A1 20180822**; **EP 3364507 B1 20200520**; CN 108462005 A 20180828; CN 108462005 B 20201120; DE 102017220944 A1 20180823; EP 3528351 A1 20190821; EP 3528351 B1 20201111; HU E051493 T2 20210301; HU E053319 T2 20210628; MX 2018001953 A 20181109; US 10320127 B2 20190611; US 2018241157 A1 20180823

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