

Title (en)
ELECTRICAL CONDUCTOR AND ELECTRICAL INTERFACE

Title (de)
ELEKTRISCHER LEITER UND ELEKTRISCHE SCHNITTSTELLE

Title (fr)
CONDUCTEUR ÉLECTRIQUE ET INTERFACE ÉLECTRIQUE

Publication
EP 3857649 A1 20210804 (DE)

Application
EP 19766015 A 20190909

Priority
• DE 102018216386 A 20180926
• EP 2019073982 W 20190909

Abstract (en)
[origin: WO2020064312A1] The invention relates to an electrical conductor (1) comprising an electrical contact element (2) which, in particular, forms part of an interface (21) and has at least one electrical contact point (17), wherein the conductor (1) has a bundle (3) of individual electrical cores (4). Provision is made for the individual cores (4) to be carbon nanostructure-based fibres (CNB), in particular carbon nanotubes (CNT), and for a region (9) of each individual core (4) to have at least the one contact point (17) of the contact element (2). The invention further relates to an electrical interface (21).

IPC 8 full level
H01R 13/03 (2006.01); **H01R 13/02** (2006.01)

CPC (source: EP US)
C01B 32/168 (2017.07 - EP); **H01R 13/025** (2013.01 - EP US); **H01R 13/03** (2013.01 - EP US); **H01R 13/04** (2013.01 - US); **H01R 13/10** (2013.01 - EP US)

Citation (search report)
See references of WO 2020064312A1

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)
BA ME

DOCDB simple family (publication)
DE 102018216386 B3 20200312; CN 112714983 A 20210427; CN 112714983 B 20230321; EP 3857649 A1 20210804; US 11495902 B2 20221108; US 2022123487 A1 20220421; WO 2020064312 A1 20200402

DOCDB simple family (application)
DE 102018216386 A 20180926; CN 201980062934 A 20190909; EP 19766015 A 20190909; EP 2019073982 W 20190909; US 201917280251 A 20190909