

Title (en)

CONTACT HAVING A COMPOSITE MATERIAL

Title (de)

KONTAKT MIT EINEM VERBUNDMATERIAL

Title (fr)

CONTACT COMPRENANT UN MATERIAU COMPOSÉ

Publication

EP 3610523 A1 20200219 (DE)

Application

EP 18725107 A 20180412

Priority

- DE 102017107928 A 20170412
- EP 2018059465 W 20180412

Abstract (en)

[origin: WO2018189338A1] The invention relates to a contact (1) having a composite material (2) containing an elastic material (4) and a metal material, which is incorporated into the elastic material, for guiding an electric current of a battery cell, wherein the metal material forms a metal body (5) having a cohesive geometric structure, which extends through the composite material (2) so that an electric and a thermal current can be conducted through the composite material (2) by means of the metal body (5). The invention additionally relates to an electrically conductive connecting plate and a battery.

IPC 8 full level

H01M 4/70 (2006.01); **H01M 50/503** (2021.01); **H01M 50/519** (2021.01)

CPC (source: EP KR US)

H01M 50/503 (2021.01 - EP KR US); **H01M 50/519** (2021.01 - EP KR US); **H01R 4/58** (2013.01 - US); **H01R 13/03** (2013.01 - KR);
Y02E 60/10 (2013.01 - EP KR)

Citation (search report)

See references of WO 2018189338A1

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)

WO 2018189338 A1 20181018; CN 110679011 A 20200110; EP 3610523 A1 20200219; JP 2020517069 A 20200611;
KR 20190134769 A 20191204; US 2020112013 A1 20200409

DOCDB simple family (application)

EP 2018059465 W 20180412; CN 201880031387 A 20180412; EP 18725107 A 20180412; JP 2019555828 A 20180412;
KR 20197033202 A 20180412; US 201816604949 A 20180412