

Title (en)

FORMULATION IN THE FORM OF A SOLID-LIQUID DISPERSION FOR THE FABRICATION OF A CATHODE FOR AN LI/S BATTERY AND PROCESS FOR PREPARING SAID FORMULATION

Title (de)

FORMULIERUNG IN FORM EINER FEST-FLÜSSIG-DISPERSION ZUR HERSTELLUNG EINER KATHODE FÜR EINE LI/S-BATTERIE UND VERFAHREN ZUR HERSTELLUNG DIESER FORMULIERUNG

Title (fr)

FORMULATION SOUS LA FORME D'UNE DISPERSION SOLIDE-LIQUIDE POUR LA FABRICATION D'UNE CATHODE POUR BATTERIE LI/S ET PROCEDE DE PREPARATION DE LADITE FORMULATION

Publication

EP 3740984 A1 20201125 (FR)

Application

EP 19705553 A 20190116

Priority

- FR 1850333 A 20180116
- FR 2019050088 W 20190116

Abstract (en)

[origin: WO2019141941A1] The invention relates to a formulation, in the form of a solid-liquid dispersion, for the fabrication of a cathode, comprising a liquid-phase solvent, a sulfur-carbon composite, in the form of particles having a median diameter D50 of less than 50 µm, and less than 10% by number of the particles of the dispersion are particles of sulfur in the elemental state.

IPC 8 full level

H01M 4/1397 (2010.01); **H01M 4/36** (2006.01); **H01M 4/58** (2010.01); **H01M 4/587** (2010.01); **H01M 10/0565** (2010.01)

CPC (source: EP KR US)

H01M 4/0471 (2013.01 - KR); **H01M 4/139** (2013.01 - KR); **H01M 4/1397** (2013.01 - EP US); **H01M 4/362** (2013.01 - KR); **H01M 4/364** (2013.01 - EP US); **H01M 4/38** (2013.01 - KR); **H01M 4/5815** (2013.01 - EP US); **H01M 4/587** (2013.01 - EP US); **H01M 4/625** (2013.01 - KR); **H01M 10/052** (2013.01 - KR); **H01M 10/0525** (2013.01 - US); **H01M 10/0562** (2013.01 - KR); **H01M 10/0565** (2013.01 - EP); **H01M 10/0525** (2013.01 - EP); **H01M 2004/028** (2013.01 - US); **H01M 2300/0068** (2013.01 - KR); **Y02E 60/10** (2013.01 - EP)

Citation (search report)

See references of WO 2019141941A1

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)

FR 3076952 A1 20190719; **FR 3076952 B1 20230811**; CN 111602273 A 20200828; EP 3740984 A1 20201125; JP 2021511646 A 20210506; JP 7057443 B2 20220419; KR 102544853 B1 20230616; KR 20200095549 A 20200810; US 2020350560 A1 20201105; WO 2019141941 A1 20190725

DOCDB simple family (application)

FR 1850333 A 20180116; CN 201980008532 A 20190116; EP 19705553 A 20190116; FR 2019050088 W 20190116; JP 2020559034 A 20190116; KR 20207019818 A 20190116; US 201916961870 A 20190116