

Title (en)
CONDUCTIVE POLYMER ELECTROLYTE FOR BATTERIES

Title (de)
LEITENDER POLYMERELEKTROLYT FÜR BATTERIEN

Title (fr)
ELECTROLYTE POLYMERE CONDUCTEUR POUR BATTERIES

Publication
EP 3887436 A1 20211006 (FR)

Application
EP 19808623 A 20191128

Priority
• FR 1872144 A 20181130
• EP 2019082968 W 20191128

Abstract (en)
[origin: WO2020109505A1] The invention relates to a solid polymer electrolyte in the form of an organic-organic composite material, for use in a lithium-polymer battery. The invention further relates to a process for producing such an electrolyte. This electrolyte is particularly intended for the production of a lithium-polymer battery, of a so-called "all-solid" battery, and particularly for the ion-conducting separator. The invention also relates to a battery separator comprising such a polymer electrolyte, to processes for producing same, and to the battery comprising such an electrolyte.

IPC 8 full level
C08J 5/22 (2006.01); **C08K 5/04** (2006.01); **C08K 5/05** (2006.01); **C08K 5/07** (2006.01); **C08K 5/1535** (2006.01); **C08K 5/43** (2006.01); **C08L 71/02** (2006.01); **C09D 127/16** (2006.01); **H01M 10/056** (2010.01); **H01M 10/0565** (2010.01); **H01M 50/414** (2021.01); **H01M 50/426** (2021.01)

CPC (source: EP KR US)
C08J 5/18 (2013.01 - KR US); **C08J 5/2237** (2013.01 - EP KR); **C08J 9/28** (2013.01 - KR); **C08K 5/05** (2013.01 - KR); **C08K 5/07** (2013.01 - KR); **C08K 5/1535** (2013.01 - KR); **C08K 5/43** (2013.01 - KR); **C08L 27/16** (2013.01 - KR); **C08L 27/18** (2013.01 - KR US); **C08L 71/02** (2013.01 - KR); **C09D 127/16** (2013.01 - EP KR); **H01M 10/0525** (2013.01 - EP KR US); **H01M 10/0565** (2013.01 - EP KR US); **H01M 50/414** (2021.01 - EP KR US); **H01M 50/426** (2021.01 - EP KR US); **H01M 50/431** (2021.01 - KR US); **H01M 50/497** (2021.01 - KR US); **C08J 2327/16** (2013.01 - EP KR); **C08K 5/05** (2013.01 - EP); **C08K 5/07** (2013.01 - EP); **C08K 5/1535** (2013.01 - EP); **C08K 5/43** (2013.01 - EP); **H01M 2300/0082** (2013.01 - EP KR US); **H01M 2300/0085** (2013.01 - KR US); **H01M 2300/0091** (2013.01 - KR); **Y02E 60/10** (2013.01 - EP KR)

Citation (search report)
See references of WO 2020109505A1

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 2020109505 A1 20200604; CN 113260662 A 20210813; EP 3887436 A1 20211006; FR 3089355 A1 20200605; FR 3089355 B1 20201211; JP 2022509983 A 20220125; KR 20210097164 A 20210806; US 2022029198 A1 20220127

DOCDB simple family (application)
EP 2019082968 W 20191128; CN 201980088097 A 20191128; EP 19808623 A 20191128; FR 1872144 A 20181130; JP 2021530861 A 20191128; KR 20217020121 A 20191128; US 201917298145 A 20191128