

Title (en)

CONDUCTIVE SULFAMIDE POLYMERS, USE THEREOF IN BATTERIES AND METHOD FOR PRODUCING SAME

Title (de)

LEITFÄHIGE SULFAMIDPOLYMERE, VERWENDUNG DAVON IN BATTERIEN UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

POLYMÈRES DE SULFAMIDES CONDUCTEURS, LEUR UTILISATION DANS DES BATTERIES ET PROCÉDÉ DE FABRICATION DE CEUX-CI

Publication

EP 4263674 A4 20240626 (FR)

Application

EP 21904711 A 20211214

Priority

- US 202063126369 P 20201216
- CA 2021051796 W 20211214

Abstract (en)

[origin: WO2022126251A1] Polymer of formula (I), wherein nitrogen atoms are coordinated with a lithium atom in 0% to 100% of repetition units in the polymer, and each R1 in each individual repetition unit independently represents a bivalent group, wherein the bivalent groups are, independently of each other, an alkylene, an arylene or -CH2-CH2-(O-CH2-CH2)m-, wherein m is an integer of 1 or more, and the alkylene, arylene and -CH2-CH2-(O-CH2-CH2)m- are optionally substituted by one or more halogen atoms. The polymers of the invention can be used as battery electrolytes.

IPC 8 full level

C08G 75/30 (2006.01); **C08L 81/10** (2006.01); **H01M 10/0565** (2010.01)

CPC (source: EP KR US)

C08G 75/30 (2013.01 - EP KR US); **C08L 81/10** (2013.01 - EP); **H01M 10/052** (2013.01 - EP KR); **H01M 10/0565** (2013.01 - EP KR US); **H01M 2300/0082** (2013.01 - EP KR US); **Y02E 60/10** (2013.01 - EP KR)

Citation (search report)

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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

DOCDB simple family (publication)

WO 2022126251 A1 20220623; CA 3196166 A1 20220623; CN 116670881 A 20230829; EP 4263674 A1 20231025; EP 4263674 A4 20240626; JP 2024500317 A 20240109; KR 20230118842 A 20230814; US 2024120536 A1 20240411

DOCDB simple family (application)

CA 2021051796 W 20211214; CA 3196166 A 20211214; CN 202180084346 A 20211214; EP 21904711 A 20211214; JP 2023534167 A 20211214; KR 20237019224 A 20211214; US 202118256932 A 20211214