

Title (en)
POSITIVE ELECTRODE ACTIVE MATERIAL

Title (de)
POSITIVELEKTRODENAKTIVMATERIAL

Title (fr)
MATERIAU ACTIF D'ELECTRODE POSITIVE

Publication
EP 4069642 A1 20221012 (FR)

Application
EP 20841971 A 20201204

Priority
• FR 1913905 A 20191206
• FR 2020052278 W 20201204

Abstract (en)
[origin: WO2021111087A1] The present invention relates to a positive electrode active material of the following formula (I): $\text{Na}_x\text{Li}_y\text{Mn}_{1-y}\text{O}_2$ (I), where x is a number from 0.8 to 1; y is a number strictly greater than 0 and smaller than or equal to 1/3.

IPC 8 full level
C01G 45/12 (2006.01); **H01M 4/505** (2010.01)

CPC (source: EP KR)
C01G 45/1228 (2013.01 - EP KR); **H01M 4/131** (2013.01 - EP KR); **H01M 4/505** (2013.01 - EP KR); **H01M 4/624** (2013.01 - KR); **H01M 4/625** (2013.01 - KR); **H01M 10/0525** (2013.01 - KR); **H01M 10/054** (2013.01 - KR); **C01P 2002/72** (2013.01 - EP); **C01P 2006/40** (2013.01 - EP KR); **H01M 10/0525** (2013.01 - EP); **H01M 10/054** (2013.01 - EP); **H01M 2004/028** (2013.01 - KR); **Y02E 60/10** (2013.01 - EP KR)

Citation (search report)
See references of WO 2021111087A1

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 2021111087 A1 20210610; CN 114929626 A 20220819; EP 4069642 A1 20221012; FR 3104150 A1 20210611; FR 3104150 B1 20220617; JP 2023505236 A 20230208; KR 20220113449 A 20220812

DOCDB simple family (application)
FR 2020052278 W 20201204; CN 202080084359 A 20201204; EP 20841971 A 20201204; FR 1913905 A 20191206; JP 2022533477 A 20201204; KR 20227022982 A 20201204