

Title (en)

CATHODE ACTIVE MATERIAL, AND LITHIUM ION BATTERY COMPRISING SAID CATHODE ACTIVE MATERIAL

Title (de)

KATHODENAKTIVMATERIAL UND LITHIUMIONEN-BATTERIE MIT DEM KATHODENAKTIVMATERIAL

Title (fr)

MATÉRIAU ACTIF DE CATHODE, ET BATTERIE AU LITHIUM-ION COMPRENANT LEDIT MATÉRIAU ACTIF DE CATHODE

Publication

EP 4248504 A1 20230927 (DE)

Application

EP 21806705 A 20211105

Priority

- DE 102020130687 A 20201120
- EP 2021080771 W 20211105

Abstract (en)

[origin: WO2022106221A1] Described is a cathode active material for a lithium ion battery (10), comprising a multitude of first particles (11) that contain a cobalt-free lithium layered oxide, and a multitude of second particles (12) that contain a phospho-olivine. Also described is a lithium ion battery (10) comprising a cathode (2) containing said cathode active material.

IPC 8 full level

H01M 4/36 (2006.01); **H01M 4/505** (2010.01); **H01M 4/525** (2010.01); **H01M 4/58** (2010.01); **H01M 10/0525** (2010.01); **H01M 10/0565** (2010.01)

CPC (source: EP KR US)

H01M 4/13 (2013.01 - KR); **H01M 4/136** (2013.01 - KR); **H01M 4/139** (2013.01 - KR); **H01M 4/364** (2013.01 - EP US); **H01M 4/505** (2013.01 - EP US); **H01M 4/525** (2013.01 - EP KR US); **H01M 4/5825** (2013.01 - EP US); **H01M 10/052** (2013.01 - KR); **H01M 10/0525** (2013.01 - EP US); **H01M 10/0565** (2013.01 - EP); **C01P 2004/61** (2013.01 - KR); **C01P 2004/64** (2013.01 - KR); **H01M 2004/028** (2013.01 - KR US); **Y02E 60/10** (2013.01 - EP KR)

Citation (search report)

See references of WO 2022106221A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 2021080771 W 20211105; CN 202180070094 A 20211105; DE 102020130687 A 20201120; EP 21806705 A 20211105; JP 2023530547 A 20211105; KR 20237013390 A 20211105; US 202118033469 A 20211105