

Title (en)
CATHODE MATERIAL FOR LI-ION BATTERIES

Title (de)
KATHODENMATERIAL FÜR LI-IONEN-AKKUS

Title (fr)
MATERIAU DE CATHODE POUR BATTERIES LI-ION

Publication
EP 3386921 A1 20181017 (FR)

Application
EP 16819337 A 20161129

Priority
• FR 1562097 A 20151209
• FR 2016053133 W 20161129

Abstract (en)
[origin: WO2017098113A1] The present invention relates to an electrode material of formula $\text{Li}_2+\text{xNiuTivNbWO}_4$, in which: $0 < x < 0.3$, $u > 0$ and $w > 0$, $x+u+v+w = 2$, $x+2u+4v+5w = 6$; the electrode material having a disordered crystalline NaCl structure. The present invention likewise relates to the cathode having said material as electronically active material, but also to the lithium-ion battery containing said cathode.

IPC 8 full level
C01G 53/00 (2006.01); **H01M 4/04** (2006.01)

CPC (source: EP US)
C01G 53/42 (2013.01 - EP US); **H01M 4/485** (2013.01 - EP US); **H01M 4/525** (2013.01 - US); **H01M 10/0525** (2013.01 - EP US); **C01P 2002/72** (2013.01 - EP US); **C01P 2002/76** (2013.01 - US); **C01P 2004/03** (2013.01 - US); **C01P 2004/04** (2013.01 - EP US); **C01P 2004/50** (2013.01 - EP US); **C01P 2004/61** (2013.01 - EP US); **C01P 2004/64** (2013.01 - US); **C01P 2006/40** (2013.01 - EP US); **H01M 2004/021** (2013.01 - US); **H01M 2004/027** (2013.01 - EP US); **H01M 2004/028** (2013.01 - US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)
See references of WO 2017098113A1

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 2017098113 A1 20170615; EP 3386921 A1 20181017; FR 3045211 A1 20170616; FR 3045211 B1 20200605; JP 2019504437 A 20190214; JP 6861208 B2 20210421; US 10644313 B2 20200505; US 2018331359 A1 20181115

DOCDB simple family (application)
FR 2016053133 W 20161129; EP 16819337 A 20161129; FR 1562097 A 20151209; JP 2018526069 A 20161129; US 201615774713 A 20161129