

Title (en)
NANOMETRIC ANATASE LATTICE STABILISED BY CATION VACANCIES, METHODS FOR THE PRODUCTION THEREOF, AND USES OF SAME

Title (de)
DURCH KATIONENLEERSTELLEN STABILISIERTES NANOMETRISCHES ANATASGITTER, VERFAHREN ZUR HERSTELLUNG DAVON UND VERWENDUNGEN DAVON

Title (fr)
RESEAU D'ANATASE NANOMETRIQUE STABILIZE PAR DES LACUNES CATIONIQUES, PROCEDES POUR LEUR PREPARATION ET LEURS UTILISATIONS

Publication
EP 3221909 A1 20170927 (FR)

Application
EP 15861644 A 20151120

Priority
• US 201462082345 P 20141120
• CA 2015051215 W 20151120

Abstract (en)
[origin: WO2016077933A1] The invention relates to a method for producing titanium-containing compounds having an anatase-type structure with cation vacancies resulting from a partial substitution of oxygen atoms with fluorine atoms and hydroxyl groups. The invention also relates to electrochemically active materials comprising titanium-containing compounds for use in lithium-ion battery electrodes.

IPC 8 full level
H01M 4/1315 (2010.01); **C01G 23/00** (2006.01); **C30B 29/32** (2006.01); **H01M 4/13915** (2010.01); **H01M 10/0525** (2010.01)

CPC (source: EP KR US)
C01G 23/00 (2013.01 - EP KR US); **C01G 23/002** (2013.01 - US); **C30B 7/14** (2013.01 - EP US); **C30B 29/10** (2013.01 - EP US); **C30B 29/16** (2013.01 - EP US); **C30B 29/60** (2013.01 - EP US); **C30B 29/64** (2013.01 - US); **H01M 4/1315** (2013.01 - EP US); **H01M 4/485** (2013.01 - EP KR US); **H01M 10/0525** (2013.01 - KR US); **C01P 2002/72** (2013.01 - EP US); **C01P 2002/85** (2013.01 - EP US); **C01P 2002/86** (2013.01 - EP US); **C01P 2004/04** (2013.01 - EP US); **C01P 2006/40** (2013.01 - KR US); **H01M 10/052** (2013.01 - EP US)

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 2016077933 A1 20160526; CA 2963732 A1 20160526; CA 2963732 C 20230314; CN 107210430 A 20170926; CN 107210430 B 20201215; EP 3221909 A1 20170927; EP 3221909 A4 20180530; JP 2017536320 A 20171207; JP 6692810 B2 20200513; KR 102411459 B1 20220622; KR 20170084311 A 20170719; US 10680241 B2 20200609; US 2018277840 A1 20180927

DOCDB simple family (application)
CA 2015051215 W 20151120; CA 2963732 A 20151120; CN 201580062283 A 20151120; EP 15861644 A 20151120; JP 2017525838 A 20151120; KR 20177016609 A 20151120; US 201515528140 A 20151120