

Title (en)  
METHOD FOR PREPARING PARTIALLY SURFACE-PROTECTED ACTIVE MATERIALS FOR LITHIUM BATTERIES

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON TEILWEISE OBERFLÄCHENGESCHÜTZTEN AKTIVEN MATERIALIEN FÜR LITHIUMBATTERIEN

Title (fr)  
PROCÉDÉ POUR LA PRÉPARATION DE MATÉRIAUX ACTIFS PROTÉGÉS PARTIELLEMENT EN SURFACE POUR DES BATTERIES AU LITHIUM

Publication  
**EP 2882688 A2 20150617 (FR)**

Application  
**EP 13756641 A 20130731**

Priority  
• FR 1257730 A 20120809  
• FR 2013051857 W 20130731

Abstract (en)  
[origin: WO2014023896A2] The present invention relates to a method for preparing particles intended to be used, as active materials, within a composite electrode for lithium batteries, which are coated with at least one layer of oxide, preferably a layer of metal oxide covering only the areas which are capable of being more reactive with an electrolyte based on lithium hexafluorophosphate LiPF<sub>6</sub>.

IPC 8 full level  
**C01G 23/00** (2006.01); **C01G 45/12** (2006.01); **C01G 51/00** (2006.01); **C01G 53/00** (2006.01)

CPC (source: CN EP KR US)  
**C01G 23/005** (2013.01 - CN EP US); **C01G 25/02** (2013.01 - KR); **C01G 45/1228** (2013.01 - CN EP US); **C01G 45/1242** (2013.01 - CN EP US); **C01G 51/42** (2013.01 - CN EP US); **C01G 51/50** (2013.01 - CN EP US); **C01G 51/54** (2013.01 - CN EP US); **C01G 53/42** (2013.01 - CN EP US); **C01G 53/50** (2013.01 - CN EP US); **C01G 53/54** (2013.01 - CN EP KR US); **H01M 4/366** (2013.01 - CN EP KR US); **H01M 4/485** (2013.01 - US); **H01M 4/505** (2013.01 - CN EP KR US); **H01M 4/525** (2013.01 - CN EP KR US); **H01M 4/5825** (2013.01 - US); **C01P 2004/03** (2013.01 - CN EP US); **C01P 2004/61** (2013.01 - CN EP US); **C01P 2004/62** (2013.01 - CN EP US); **C01P 2004/84** (2013.01 - CN EP KR US); **C01P 2006/40** (2013.01 - CN EP KR US); **H01M 4/131** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)  
See references of WO 2014023896A2

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 2014023896 A2 20140213; WO 2014023896 A3 20140403**; CN 104703919 A 20150610; CN 104703919 B 20170728; EP 2882688 A2 20150617; FR 2994510 A1 20140214; FR 2994510 B1 20140808; JP 2015530703 A 20151015; KR 20150041091 A 20150415; US 2015295242 A1 20151015

DOCDB simple family (application)  
**FR 2013051857 W 20130731**; CN 201380052894 A 20130731; EP 13756641 A 20130731; FR 1257730 A 20120809; JP 2015525924 A 20130731; KR 20157005963 A 20130731; US 201314420459 A 20130731