

Title (en)
METHOD FOR MANUFACTURING AN ELECTRODE MATERIAL, ELECTRODE MATERIAL FOR LITHIUM AND LITHIUM ION BATTERIES

Title (de)
HERSTELLUNGSVERFAHREN FÜR EIN ELEKTRODENMATERIAL, ELEKTRODENMATERIAL UND LITHIUM- UND LITHIUMIONENBATTERIEN

Title (fr)
PROCÉDÉ POUR PRODUIRE UN MATÉRIAU D'ÉLECTRODE, MATÉRIAU D'ÉLECTRODE POUR BATTERIES AU LITHIUM ET AU LITHIUM-ION

Publication
EP 2715843 A1 20140409 (EN)

Application
EP 11725660 A 20110601

Priority
EP 2011059148 W 20110601

Abstract (en)
[origin: WO2012163426A1] The present invention relates to a method for manufacturing electrode material particularly for lithium and lithium ion batteries comprising the following steps: a) providing nanoparticles of titanium dioxide, lithium titanate, silicon, silicon oxide or a transition metal oxide, coated with a monocarboxylic acid having a chain length of 7 to 26 carbon atoms; b) heat-treatment of the monocarboxylic acid coated nanoparticles of step a) for carbonization of the monocarboxylic acid coating.

IPC 8 full level
H01M 4/131 (2010.01); **B82Y 30/00** (2011.01); **C01G 23/00** (2006.01); **H01M 4/1391** (2010.01); **H01M 4/36** (2006.01); **H01M 4/48** (2006.01); **H01M 4/485** (2010.01); **H01M 4/62** (2006.01); **H01M 4/02** (2006.01); **H01M 4/505** (2010.01); **H01M 4/525** (2010.01); **H01M 10/052** (2010.01)

CPC (source: EP)
B82Y 30/00 (2013.01); **C01G 23/005** (2013.01); **H01M 4/131** (2013.01); **H01M 4/1391** (2013.01); **H01M 4/366** (2013.01); **H01M 4/483** (2013.01); **H01M 4/485** (2013.01); **H01M 4/625** (2013.01); **C01P 2002/72** (2013.01); **C01P 2004/03** (2013.01); **C01P 2004/16** (2013.01); **C01P 2004/32** (2013.01); **C01P 2004/64** (2013.01); **C01P 2006/40** (2013.01); **H01M 4/505** (2013.01); **H01M 4/525** (2013.01); **H01M 10/052** (2013.01); **H01M 2004/021** (2013.01); **Y02E 60/10** (2013.01); **Y02P 20/133** (2015.11)

Citation (search report)
See references of WO 2012163426A1

Cited by
CN113036090A; CN109301209A; CN111180663A; CN108686665A; CN113692656A

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

DOCDB simple family (publication)
WO 2012163426 A1 20121206; EP 2715843 A1 20140409

DOCDB simple family (application)
EP 2011059148 W 20110601; EP 11725660 A 20110601