

Title (en)

ELECTROCHEMICAL CELLS COMPRISING ION EXCHANGERS

Title (de)

ELEKTROCHEMISCHE ZELLEN, DIE IONENAUSTAUSCHER ENTHALTEN

Title (fr)

CELLULES ÉLECTROCHIMIQUES QUI CONTIENNENT DES ÉCHANGEURS D'IONS

Publication

EP 2695222 A2 20140212 (DE)

Application

EP 12767573 A 20120402

Priority

- EP 11161052 A 20110404
- IB 2012051587 W 20120402
- EP 12767573 A 20120402

Abstract (en)

[origin: WO2012137119A2] The present invention relates to electrochemical cells comprising (A) at least one cathode comprising at least one lithium ion-containing transition metal oxide comprising manganese as a transition metal, (B) at least one anode, and (C) at least one layer comprising (a) at least one ion exchanger in particulate form, (b) at least one binder.

IPC 8 full level

H01M 4/38 (2006.01); **H01M 4/505** (2010.01); **H01M 4/587** (2010.01); **H01M 10/052** (2010.01); **H01M 10/0525** (2010.01); **H01M 50/411** (2021.01); **H01M 50/417** (2021.01); **H01M 50/431** (2021.01)

CPC (source: EP KR US)

H01M 4/386 (2013.01 - EP KR); **H01M 4/387** (2013.01 - EP KR); **H01M 4/505** (2013.01 - EP KR US); **H01M 4/587** (2013.01 - EP KR); **H01M 10/052** (2013.01 - EP); **H01M 10/0525** (2013.01 - EP KR); **H01M 50/411** (2021.01 - KR); **H01M 50/44** (2021.01 - EP); **H01M 50/443** (2021.01 - KR); **H01M 50/446** (2021.01 - EP); **H01M 50/449** (2021.01 - KR); **H01M 50/46** (2021.01 - KR); **H01M 50/463** (2021.01 - KR); **H01M 50/411** (2021.01 - EP US); **H01M 50/417** (2021.01 - EP US); **H01M 50/431** (2021.01 - EP US); **Y02E 60/10** (2013.01 - EP KR)

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 2012137119 A2 20121011; WO 2012137119 A3 20121129; CN 103460445 A 20131218; EP 2695222 A2 20140212; EP 2695222 A4 20140917; JP 2014513395 A 20140529; KR 20140031250 A 20140312

DOCDB simple family (application)

IB 2012051587 W 20120402; CN 201280014919 A 20120402; EP 12767573 A 20120402; JP 2014503250 A 20120402; KR 20137028909 A 20120402