

Title (en)
PRODUCTION OF HIGH-PURITY LITHIUM DIFLUOROPHOSPHATE

Title (de)
HERSTELLUNG VON HOCHREINEM LITHIUMDIFLUORPHOSPHAT

Title (fr)
PRODUCTION DE DIFLUOROPHOSPHATE DE LITHIUM EXTRÊMEMENT PUR

Publication
EP 2900593 A1 20150805 (DE)

Application
EP 13766577 A 20130927

Priority

- EP 12186484 A 20120928
- EP 2013070284 W 20130927
- EP 13766577 A 20130927

Abstract (en)
[origin: EP2712843A1] Producing lithium fluorophosphate, comprises contacting the solid lithium fluoride having a water content of more than 1500 ppm, preferably 5000-15000 ppm with gas containing phosphorus pentafluoride. An independent claim is included for lithium difluorophosphate having a purity of 99.9-99.9995 wt.%, preferably 99.97-99.9995 based on anhydrous product.

IPC 8 full level
C01B 25/10 (2006.01); **C01B 25/455** (2006.01); **C01D 15/00** (2006.01); **C01D 15/08** (2006.01)

CPC (source: EP US)
C01B 25/10 (2013.01 - EP US); **C01B 25/455** (2013.01 - EP US); **C01D 15/00** (2013.01 - US); **C01D 15/005** (2013.01 - EP US); **C01D 15/04** (2013.01 - EP US); **H01M 10/0568** (2013.01 - US); **H01M 2300/0025** (2013.01 - US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)
See references of WO 2014049156A1

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)
EP 2712843 A1 20140402; CA 2884406 A1 20140403; CN 104684845 A 20150603; EP 2900593 A1 20150805; JP 2015533767 A 20151126; KR 20150063051 A 20150608; US 2015263384 A1 20150917; WO 2014049156 A1 20140403

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