

Title (en)

ALL-SOLID-STATE POLYMER ELECTROLYTE ELECTROCHEMICAL GENERATOR COMPRISING FLUORINATED POLYMERS

Title (de)

ELKTROCHEMISCHER GENERATOR MIT FESTEM POLYMERELEKTROLYT

Title (fr)

GENERATEUR ELECTROCHIMIQUE A ELECTROLYTE POLYMERIQUE TOUT SOLIDE COMPRENANT DES POLYMERES FLUORES

Publication

EP 1279201 A1 20030129 (FR)

Application

EP 01931808 A 20010504

Priority

- FR 0101379 W 20010504
- FR 0005701 A 20000504

Abstract (en)

[origin: WO0184659A1] The invention concerns an all-solid-state electrochemical generator (1) comprising a negative electrode (4) capable of supplying a lithium cation, an all-solid-state polymer electrolyte (3) formed with a macromolecular material wherein ionised lithium salt is dissolved and a second positive electrode capable of incorporating a non-ionised species corresponding to said lithium cation. The invention is characterised in that the all-solid-state polymer electrolyte comprises one or several fluorinated polymer(s) and the mass ratio macromolecular material/fluorinated polymer(s) ranges between 6 and 700.

IPC 1-7

H01M 10/40; **H01M 4/02**

IPC 8 full level

H01M 4/131 (2010.01); **H01M 4/62** (2006.01); **H01M 10/052** (2010.01); **H01M 10/0565** (2010.01); **H01M 10/36** (2010.01); **H01M 6/16** (2006.01); **H01M 6/40** (2006.01)

CPC (source: EP US)

H01M 4/131 (2013.01 - EP US); **H01M 4/623** (2013.01 - EP US); **H01M 10/052** (2013.01 - EP US); **H01M 10/0565** (2013.01 - EP US); **H01M 6/168** (2013.01 - EP US); **H01M 6/40** (2013.01 - EP US); **H01M 2300/0082** (2013.01 - EP US); **H01M 2300/0088** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)

See references of WO 0184659A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0184659 A1 20011108; CA 2377915 A1 20011108; EP 1279201 A1 20030129; FR 2808622 A1 20011109; FR 2808622 B1 20060908; JP 2003532989 A 20031105; US 2003108799 A1 20030612

DOCDB simple family (application)

FR 0101379 W 20010504; CA 2377915 A 20010504; EP 01931808 A 20010504; FR 0005701 A 20000504; JP 2001581369 A 20010504; US 3035902 A 20021106