Title (en)

ADVANCED ELECTROLYTE SYSTEMS AND THEIR USE IN ENERGY STORAGE DEVICES

Title (de)

ERWEITERTE ELEKTROLYTSYSTEME UND DEREN VERWENDUNG IN ENERGIESPEICHERVORRICHTUNGEN

Title (fr)

SYSTÈMES D'ÉLECTROLYTE ÉVOLUÉS ET LEUR UTILISATION DANS DES DISPOSITIFS DE STOCKAGE D'ÉNERGIE

Publication

EP 2817810 A1 20141231 (EN)

Application

EP 13751667 A 20130225

Priority

- US 201261602713 P 20120224
- US 201261619203 P 20120402
- US 2012045994 W 20120709
- US 201213553716 A 20120719
- US 201261724775 P 20121109
- US 2013027697 W 20130225

Abstract (en)

[origin: WO2013126915A1] An ultracapacitor that includes an energy storage cell immersed in an advanced electrolyte system and disposed within a hermetically sealed housing, the cell electrically coupled to a positive contact and a negative contact, wherein the ultracapacitor is configured to output electrical energy within a temperature range between about -40 degrees Celsius to about 210 degrees Celsius. Methods of fabrication and use are provided.

IPC 8 full level

H01G 11/74 (2013.01); **H01G 11/78** (2013.01)

CPC (source: EP IL KR)

H01G 11/18 (2013.01 - IL KR); **H01G 11/28** (2013.01 - EP IL KR); **H01G 11/32** (2013.01 - EP IL); **H01G 11/36** (2013.01 - IL KR); **H01G 11/52** (2013.01 - EP IL KR); **H01G 11/62** (2013.01 - EP IL KR); **H01G 11/78** (2013.01 - EP IL); **H01G 11/80** (2013.01 - EP IL KR); **H01G 11/84** (2013.01 - EP IL KR); H01G 11/36 (2013.01 - EP); Y02E 60/13 (2013.01 - EP IL KR)

Cited by

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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 2013126915 A1 20130829; AU 2013222120 A1 20141002; CA 2865230 A1 20130829; CN 104246942 A 20141224; CN 104246942 B 20190510; CN 110233063 A 20190913; CN 110233063 B 20220104; EP 2817810 A1 20141231; EP 2817810 A4 20151021; IL 234232 A 20141030; IL 234232 B 20221201; IL 234232 B2 20230401; IL 298172 A 20230101; JP 2015515741 A 20150528; KR 102284300 B1 20210803; KR 102461542 B1 20221101; KR 20140129283 A 20141106; KR 20210097812 A 20210809; KR 20220149761 A 20221108

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US 2013027697 W 20130225; AU 2013222120 A 20130225; CA 2865230 A 20130225; CN 201380022019 A 20130225; CN 201910288116 A 20130225; EP 13751667 A 20130225; IL 23423214 A 20140821; IL 29817222 A 20221113; JP 2014558934 A 20130225; KR 20147026833 A 20130225; KR 20217023639 A 20130225; KR 20227037407 A 20130225