

Title (en)

ELECTRODE FOR AN ELECTRICAL ENERGY STORAGE SYSTEM WITH A COLLECTOR COMPRISING A PROTECTIVE LAYER AND CORRESPONDING MANUFACTURING PROCESS

Title (de)

ELEKTRODE FÜR EIN SYSTEM ZUR SPEICHERUNG VON ELEKTRISCHER ENERGIE MIT EINEM KOLLEKTOR BEINHALTEND EINE SCHUTZSCHICHT UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

ELECTRODE POUR SYSTÈME DE STOCKAGE DE L'ÉNERGIE ÉLECTRIQUE AVEC COLLECTEUR COMPORTANT UNE COUCHE CONDUCTRICE DE PROTECTION ET PROCÉDÉ DE FABRICATION CORRESPONDANT

Publication

**EP 3100293 A1 20161207 (FR)**

Application

**EP 14729700 A 20140127**

Priority

FR 2014050151 W 20140127

Abstract (en)

[origin: WO2015110715A1] The present invention relates to a conductive electrode for an electric-energy storage system (1) with an aqueous electrolyte solution, said electrode comprising a metal current collector (3) and an active material (7), said current collector (3) including at least one protective conductive layer (5) sealed against the electrolytes and placed between said metal current collector (3) and said active material (7), said protective conductive layer (5) comprising: a polymer or copolymer binder including at least 50% vinyl chloride units, a cross-linked elastomer, at least one agent for cross-linking said cross-linked elastomer, and conductive fillers.

IPC 8 full level

**H01G 11/28** (2013.01); **H01G 11/68** (2013.01); **H01G 11/86** (2013.01); **H01M 4/64** (2006.01); **H01M 4/66** (2006.01)

CPC (source: EP KR US)

**C09D 109/02** (2013.01 - US); **C09D 131/04** (2013.01 - US); **H01G 11/28** (2013.01 - EP KR US); **H01G 11/68** (2013.01 - EP KR US); **H01G 11/86** (2013.01 - EP KR US); **H01M 4/667** (2013.01 - KR); **H01M 4/667** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP); **Y02E 60/13** (2013.01 - KR US); **Y02T 10/70** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2015110715A1

Cited by

TWI814650B

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)

**WO 2015110715 A1 20150730**; AR 099192 A1 20160706; CA 2937869 A1 20150730; CN 106133862 A 20161116; CN 106133862 B 20190402; EP 3100293 A1 20161207; JP 2017508307 A 20170323; JP 6371861 B2 20180808; KR 20160113665 A 20160930; TW 201546845 A 20151216; TW I657466 B 20190421; US 10079118 B2 20180918; US 2017011861 A1 20170112

DOCDB simple family (application)

**FR 2014050151 W 20140127**; AR P150100222 A 20150127; CA 2937869 A 20140127; CN 201480077438 A 20140127; EP 14729700 A 20140127; JP 2016565572 A 20140127; KR 20167023244 A 20140127; TW 104102713 A 20150127; US 201415114341 A 20140127