

Title (en)
CURRENT COLLECTOR STRUCTURE

Title (de)
STROMABNEHMERSTRUKTUR

Title (fr)
STRUCTURE DE COLLECTEUR DE COURANT

Publication
EP 2225788 A1 20100908 (EN)

Application
EP 08863140 A 20081112

Priority
• US 2008083155 W 20081112
• US 95792607 A 20071217

Abstract (en)
[origin: US2009152107A1] A current collector structure that is used to distribute an electrical potential to an electrode layer of an electrochemical cell. The electrochemical cell has an electrolyte layer adjacent the electrode layer for transport of oxygen ions. The current collector structure has a porous, electrically conductive layer located on the electrode layer. Additionally, at least one elongated strip-like layer formed of an electrically conductive material is located on the porous, electrically conductive layer, opposite the electrode and oriented in a lengthwise direction of the electrode layer.

IPC 8 full level
H01M 8/02 (2006.01)

CPC (source: EP US)
B01D 53/326 (2013.01 - EP US); **C01B 13/0248** (2013.01 - EP US); **C01B 13/0255** (2013.01 - EP US); **H01M 8/0206** (2013.01 - EP US); **H01M 8/0215** (2013.01 - EP US); **H01M 8/0226** (2013.01 - EP US); **H01M 8/0232** (2013.01 - EP US); **H01M 8/0236** (2013.01 - EP US); **H01M 8/0243** (2013.01 - EP US); **H01M 8/0247** (2013.01 - EP US); **B01D 2256/12** (2013.01 - EP US); **H01M 2008/1293** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP)

Citation (search report)
See references of WO 2009079119A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
US 2009152107 A1 20090618; AU 2008338829 A1 20090625; BR PI0820470 A2 20150616; CA 2708617 A1 20090625; CN 101953005 A 20110119; CO 6311044 A2 20110822; EP 2225788 A1 20100908; IL 205286 A0 20101230; JP 2011510432 A 20110331; KR 20100106973 A 20101004; MX 2010006345 A 20100624; RU 2010129452 A 20120127; WO 2009079119 A1 20090625

DOCDB simple family (application)
US 95792607 A 20071217; AU 2008338829 A 20081112; BR PI0820470 A 20081112; CA 2708617 A 20081112; CN 200880121267 A 20081112; CO 10072270 A 20100616; EP 08863140 A 20081112; IL 20528610 A 20100422; JP 2010539555 A 20081112; KR 20107013254 A 20081112; MX 2010006345 A 20081112; RU 2010129452 A 20081112; US 2008083155 W 20081112