

Title (en)

ELECTRODES AND PRODUCTION AND USE THEREOF

Title (de)

ELEKTRODEN, IHRE HERSTELLUNG UND VERWENDUNG

Title (fr)

ÉLECTRODES, FABRICATION ET UTILISATION DE CES ÉLECTRODES

Publication

**EP 2586091 A1 20130501 (DE)**

Application

**EP 11797704 A 20110617**

Priority

- EP 10166856 A 20100622
- IB 2011052645 W 20110617
- EP 11797704 A 20110617

Abstract (en)

[origin: WO2011161598A1] Electrodes, comprising (A) a solid medium through which gas can diffuse, (B) at least one electrically conductive, carbonaceous material, (C) at least one organic polymer, (D) at least one compound of the general formula (I)  $M_1 a M_2 b M_3 d He O f$  (I) in particulate form, where the variables are each defined as follows: M1 is selected from Mo, W, V, Nb and Sb, M2 is selected from Fe, Ag, Cu, Ni, Mn and lanthanoids, M3 is selected from B, C, N, Al, Si, P and Sn, M4 is selected from Li, Na, K, Rb, Cs, NH<sub>4</sub>, Mg, Ca and Sr, a is in the range from 1 to 3, b is in the range from 0.1 to 10, c is in the range from zero to one, d is in the range from zero to one, e is in the range from zero to 5, f is in the range from 1 to 28, and wherein compound of the general formula (I) has a BET surface area in the range from 1 to 300 m<sup>2</sup>/g.

IPC 8 full level

**H01M 12/04** (2006.01)

CPC (source: EP KR US)

**H01M 4/8673** (2013.01 - EP); **H01M 4/9016** (2013.01 - EP); **H01M 8/0234** (2013.01 - EP); **H01M 8/0243** (2013.01 - EP); **H01M 8/1007** (2016.02 - EP); **H01M 12/04** (2013.01 - KR); **H01M 12/06** (2013.01 - KR); **H01M 12/08** (2013.01 - EP US); **H01M 12/085** (2013.01 - EP); **Y02E 60/10** (2013.01 - US); **Y02E 60/50** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

Citation (search report)

See references of WO 2011161598A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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