

Title (en)
ELECTRODES AND PRODUCTION AND USE THEREOF

Title (de)
ELEKTRODEN, IHRE HERSTELLUNG UND VERWENDUNG

Title (fr)
ELECTRODES, LEUR FABRICATION ET LEUR UTILISATION

Publication
EP 2586093 A1 20130501 (DE)

Application
EP 11797703 A 20110617

Priority

- EP 10166887 A 20100622
- IB 2011052642 W 20110617
- EP 11797703 A 20110617

Abstract (en)
[origin: WO2011161595A1] Electrodes comprise: (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) $M_1 a M_2 b M_3 c M_4 d HeOf$, 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, NH₄, 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 0 to 1, d is in the range from 0 to 1, e is in the range from 0 to 0.5, f is in the range from 1 to 28, and wherein the compound of the general formula (I) has a BET surface area in the range from 1 to 300 m²/g.

IPC 8 full level
H01M 12/06 (2006.01); **H01M 4/86** (2006.01)

CPC (source: EP KR)
H01M 4/86 (2013.01 - KR); **H01M 4/8605** (2013.01 - EP); **H01M 4/8668** (2013.01 - EP); **H01M 4/8673** (2013.01 - EP);
H01M 4/9016 (2013.01 - EP); **H01M 12/06** (2013.01 - EP KR)

Citation (search report)
See references of WO 2011161595A1

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

DOCDB simple family (publication)
WO 2011161595 A1 20111229; CA 2801625 A1 20111229; CN 102948005 A 20130227; EP 2586093 A1 20130501; JP 2013534697 A 20130905; KR 20130093077 A 20130821; TW 201222926 A 20120601

DOCDB simple family (application)
IB 2011052642 W 20110617; CA 2801625 A 20110617; CN 201180030388 A 20110617; EP 11797703 A 20110617; JP 2013516006 A 20110617; KR 20137001355 A 20110617; TW 100121700 A 20110621