

Title (en)

ELECTRIC ENERGY PRODUCTION BY VOLTAIC CELL SOLUTION TEMPERATURE CHANGE

Title (de)

ERZEUGUNG ELEKTRISCHER ENERGIE DURCH EINEN TEMPERATURWECHSEL EINER FOTOVOLTAISCHEN ZELLENLÖSUNG

Title (fr)

PRODUCTION D'ÉNERGIE ÉLECTRIQUE PAR CHANGEMENT DE TEMPÉRATURE DE SOLUTION CELLULAIRE VOLTAÏQUE

Publication

EP 2089926 A1 20090819 (EN)

Application

EP 07824966 A 20071114

Priority

- GR 2007000059 W 20071114
- GR 20060100620 A 20061116

Abstract (en)

[origin: WO2008059297A1] Electrical energy production by changing the solution of a voltaic cell and use of heat. Voltaic cell operation, causes electrolyte concentration change. The solution passes through heat exchanger, so that the temperature changes and electrolyte crystals are formed and removed. The cell solution is replaced by another solution which in, the removed electrolyte crystals have been dissolved and operation at opposite direction is forced. The difference of the electromotive force of the two cell solutions, gives the useful electric energy.

IPC 8 full level

H01M 6/24 (2006.01); **H01M 6/36** (2006.01); **H01M 10/00** (2006.01); **H01M 14/00** (2006.01)

CPC (source: EP GR)

H01M 6/24 (2013.01 - EP GR); **H01M 6/36** (2013.01 - EP GR); **H01M 10/00** (2013.01 - EP GR); **H01M 14/00** (2013.01 - EP GR)

Citation (search report)

See references of WO 2008059297A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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