

Title (en)

ENERGY STORAGE DEVICE, ENERGY STORAGE CELL AND HEAT-CONDUCTING ELEMENT WITH AN ELASTIC MEANS

Title (de)

ENERGIESPEICHERVORRICHTUNG, ENERGIESPEICHERZELLE UND WÄRMELEITELEMENT MIT ELASTISCHEM MITTEL

Title (fr)

DISPOSITIF D'ACCUMULATION D'ÉNERGIE, CELLULE D'ACCUMULATION D'ÉNERGIE ET ÉLÉMENT DE CONDUCTIVITÉ THERMIQUE COMPRENANT UN MOYEN ÉLASTIQUE

Publication

EP 2689481 A2 20140129 (DE)

Application

EP 12710143 A 20120316

Priority

- DE 102011015152 A 20110325
- EP 2012001187 W 20120316

Abstract (en)

[origin: WO2012130399A2] The invention relates to an energy storage device, comprising a plurality of storage cells and a temperature-control device for the temperature-control of the storage cells or of a cell assembly formed by the storage cells, wherein elastic means for the shock-absorbing mounting or spacing are provided between a storage cell and another component, wherein the other component is another storage cell, a retaining element, another housing part or a heat-conducting element. The elastic means are designed and configured as a functional component of the temperature-control device. The invention also relates to storage cells and heat-conducting elements which are suitable for use in the energy storage device according to the invention.

IPC 8 full level

H01M 10/04 (2006.01); **H01M 10/50** (2006.01); **H01M 50/211** (2021.01); **H01M 50/242** (2021.01); **H01M 50/293** (2021.01)

CPC (source: EP KR US)

H01M 10/0481 (2013.01 - KR); **H01M 10/60** (2015.04 - KR); **H01M 10/613** (2015.04 - EP KR US); **H01M 10/625** (2015.04 - EP KR US); **H01M 10/63** (2015.04 - EP KR US); **H01M 10/643** (2015.04 - EP KR US); **H01M 10/647** (2015.04 - EP KR US); **H01M 10/653** (2015.04 - EP KR US); **H01M 10/6555** (2015.04 - EP KR US); **H01M 10/6556** (2015.04 - EP KR US); **H01M 50/20** (2021.01 - KR); **H01M 50/211** (2021.01 - EP KR US); **H01M 50/242** (2021.01 - EP KR US); **H01M 50/293** (2021.01 - EP KR US); **H01M 50/572** (2021.01 - KR); **H01M 10/0481** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP KR); **Y02P 70/50** (2015.11 - EP KR)

Citation (search report)

See references of WO 2012130399A2

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)

DE 102011015152 A1 20120927; EP 2689481 A2 20140129; JP 2014514691 A 20140619; KR 20140027955 A 20140307; US 2014113171 A1 20140424; WO 2012130399 A2 20121004; WO 2012130399 A3 20130704

DOCDB simple family (application)

DE 102011015152 A 20110325; EP 12710143 A 20120316; EP 2012001187 W 20120316; JP 2014500276 A 20120316; KR 20137027270 A 20120316; US 201214007515 A 20120316