Title (en)

ELECTROCHEMICAL ENERGY STORE OR ENERGY CONVERTER

Title (de)

ELEKTROCHEMISCHER ENERGIESPEICHER ODER ENERGIEWANDLER

Title (fr)

ACCUMULATEUR D'ÉNERGIE OU CONVERTISSEUR D'ÉNERGIE ÉLECTROCHIMIQUE

Publication

EP 2805364 A1 20141126 (DE)

Application

EP 13700620 A 20130117

Priority

- DE 102012000819 A 20120117
- US 201261587173 P 20120117
- EP 2013000133 W 20130117

Abstract (en)

[origin: WO2013107645A1] In an electrochemical energy store or energy converter having an electrochemically active material in a package (1) or in a housing (1) which is composed of electrochemically inactive material, a wall (2) of the package or of the housing or a device (3) of the energy store or energy converter, which device is fitted or arranged in, at or on a wall of the package or of the housing, has a sealing material (4) at least at points, the specific volume of said sealing material increasing when a threshold temperature is exceeded. The sealing material can be arranged in, at or on the wall of the package or of the housing in such a way that the increase in the specific volume of the sealing material which occurs when the threshold temperature is exceeded can contribute to sealing off a leak (5) in the package or in the housing or to closing an opening (6) in a device of the energy store or energy converter.

IPC 8 full level

H01M 8/02 (2006.01); **H01M 50/186** (2021.01); **H01M 50/191** (2021.01); **H01M 50/198** (2021.01)

CPC (source: EP US)

H01M 8/0282 (2013.01 - EP); **H01M 8/0286** (2013.01 - EP); **H01M 50/186** (2021.01 - EP US); **H01M 50/191** (2021.01 - EP US); **H01M 50/198** (2021.01 - EP US); Y02E 60/10 (2013.01 - EP); Y02E 60/50 (2013.01 - EP)

Citation (search report)

See references of WO 2013107645A1

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 102012000819 A1 20130718; EP 2805364 A1 20141126; WO 2013107645 A1 20130725

DOCDB simple family (application)

DE 102012000819 A 20120117; EP 13700620 A 20130117; EP 2013000133 W 20130117