

Title (en)  
ENERGY STORAGE UNIT HAVING EXTENDED SERVICE LIFE

Title (de)  
ENERGIESPEICHEREINHEIT MIT VERLÄNGERTER LEBENSDAUER

Title (fr)  
UNITÉ ACCUMULATRICE D'ÉNERGIE À DURÉE DE VIE PROLONGÉE

Publication  
**EP 2486621 A1 20120815 (DE)**

Application  
**EP 10760261 A 20100922**

Priority

- DE 102009048249 A 20091005
- EP 2010005803 W 20100922

Abstract (en)  
[origin: WO2011042122A1] The invention relates to a device for storing electrical energy, having at least one galvanic cell. The device according to the invention further comprises at least one cell holder having at least one interior chamber which is intended to at least partially accommodate the at least one galvanic cell. The device according to the invention further comprises at least one first wall element, which at least partially surrounds the interior chamber of the cell holder and at least some section of which are effectively connected to the at least one galvanic cell. The device according to the invention further comprises a heat conducting device which is effectively connected to the at least one first wall element. The device according to the invention further comprises at least one fluid channel which is allocated to the heat conducting device and through which a first fluid flows. The device according to the invention is characterized in that it comprises at least one position adjusting device which is intended to expand, wherein the position adjusting device is arranged at least partially within the cell holder.

IPC 8 full level  
**H01M 10/50** (2006.01); **H01M 10/48** (2006.01); **H01M 50/443** (2021.01)

CPC (source: EP KR US)  
**H01M 10/482** (2013.01 - EP KR US); **H01M 10/486** (2013.01 - EP KR US); **H01M 10/613** (2015.04 - EP KR US); **H01M 10/625** (2015.04 - KR); **H01M 10/63** (2015.04 - EP KR US); **H01M 10/647** (2015.04 - KR); **H01M 10/651** (2015.04 - EP KR US); **H01M 10/6557** (2015.04 - EP KR US); **H01M 10/6563** (2015.04 - EP KR US); **H01M 50/24** (2021.01 - EP KR US); **H01M 50/258** (2021.01 - EP KR US); **H01M 50/443** (2021.01 - EP KR US); **H01M 10/625** (2015.04 - EP US); **H01M 10/647** (2015.04 - EP US); **Y02E 60/10** (2013.01 - EP KR); **Y02P 70/50** (2015.11 - EP KR); **Y10T 29/49817** (2015.01 - EP US)

Citation (search report)  
See references of WO 2011042122A1

Cited by  
EP2499685A1

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 SE SI SK SM TR

DOCDB simple family (publication)  
**DE 102009048249 A1 20110407**; BR 112012007810 A2 20160830; CN 102576917 A 20120711; EP 2486621 A1 20120815; JP 2013506969 A 20130228; KR 20120091109 A 20120817; US 2012244394 A1 20120927; WO 2011042122 A1 20110414

DOCDB simple family (application)  
**DE 102009048249 A 20091005**; BR 112012007810 A 20100922; CN 201080044675 A 20100922; EP 10760261 A 20100922; EP 2010005803 W 20100922; JP 2012532480 A 20100922; KR 20127010397 A 20100922; US 201013499995 A 20100922