

Title (en)

ENERGY STORING DEVICE AND METHOD FOR PRODUCING AN ENERGY STORING DEVICE

Title (de)

ENERGIESPEICHERVORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINER ENERGIESPEICHERVORRICHTUNG

Title (fr)

DISPOSITIF ACCUMULATEUR D'ÉNERGIE ET PROCÉDÉ DE FABRICATION DUDIT DISPOSITIF ACCUMULATEUR D'ÉNERGIE

Publication

EP 2745338 A1 20140625 (DE)

Application

EP 12751258 A 20120809

Priority

- DE 102011110814 A 20110817
- EP 2012003413 W 20120809

Abstract (en)

[origin: WO2013023769A1] The electrochemical energy storing device has an energy storing cell (10) with an electrode stack and a casing; and at least one current collector (12) which has a first contact portion (12a) that is connected to the electrode stack of the energy storing cell (10) in an electrically conductive manner and a second contact portion (12b) that is arranged at least partly outside of the casing of the energy storing cell (10). At least one contact element (14) is further provided which has a first contact portion (14a) that is connected to the second contact portion (12b) of the current collector (12) in an electrically conductive manner, preferably welded face-to-face using ultrasound, and a second contact portion (14b) for electrically contacting the energy storing device. The first contact portion (12a) and the second contact portion (12b) of the current collector (12) are first oriented in a substantially perpendicular manner relative to each other, and the second contact portion (12b) of the current collector (12) is bent after being welded to the first contact portion (14a) of the contact element (14) so as to then run substantially parallel to the first contact portion (12a) of the current collector (12).

IPC 8 full level

H01M 50/528 (2021.01); **H01M 50/533** (2021.01); **H01M 50/536** (2021.01); **H01M 50/55** (2021.01); **H01M 50/553** (2021.01)

CPC (source: CN EP KR US)

H01M 10/052 (2013.01 - KR); **H01M 50/50** (2021.01 - KR); **H01M 50/531** (2021.01 - KR); **H01M 50/533** (2021.01 - CN EP KR US); **H01M 50/536** (2021.01 - CN EP KR US); **H01M 50/55** (2021.01 - CN EP KR US); **H01M 50/553** (2021.01 - CN EP KR US); **H01M 10/052** (2013.01 - CN EP); **Y02E 60/10** (2013.01 - EP KR)

Citation (search report)

See references of WO 2013023769A1

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 102011110814 A1 20130221; CN 103891006 A 20140625; EP 2745338 A1 20140625; JP 2014524646 A 20140922; KR 20140048987 A 20140424; WO 2013023769 A1 20130221

DOCDB simple family (application)

DE 102011110814 A 20110817; CN 201280050968 A 20120809; EP 12751258 A 20120809; EP 2012003413 W 20120809; JP 2014525342 A 20120809; KR 20147004075 A 20120809