

Title (en)

METHOD FOR OPERATING AN ELECTRIC ENERGY STORE, ELECTRIC ENERGY STORE, AND DEVICE

Title (de)

VERFAHREN ZUM BETREIBEN EINES ELEKTRISCHEN ENERGIESPEICHERS, ELEKTRISCHER ENERGIESPEICHER UND VORRICHTUNG

Title (fr)

PROCÉDÉ POUR FAIRE FONCTIONNER UN ACCUMULATEUR D'ÉNERGIE ÉLECTRIQUE, ACCUMULATEUR D'ÉNERGIE ÉLECTRIQUE ET DISPOSITIF

Publication

**EP 3977584 A1 20220406 (DE)**

Application

**EP 20723106 A 20200429**

Priority

- DE 102019207692 A 20190526
- EP 2020061918 W 20200429

Abstract (en)

[origin: WO2020239353A1] The invention relates to a method for operating an electric energy store (1), to an electric energy store (1), and to a device, having an electric energy storage module (18), a switch unit (4), and a first and second connection (5, 7). The method has the following steps which follow one another chronologically: in a first step, a signal of a sensor of the electric energy store (1) is evaluated; in a second step, a critical state of the electric energy store (1) is ascertained; in a third step, an electrically conductive connection between the electric energy storage module (18) and the first and second connection (5, 7) is interrupted in the charge direction by means of the switch unit (4), while simultaneously the electrically conductive connection between the electric energy storage module (18) and the first and second connection (5, 7) remains connected in the discharge direction.

IPC 8 full level

**H02J 7/00** (2006.01); **B60L 53/20** (2019.01); **H03K 17/00** (2006.01)

CPC (source: EP US)

**B60L 3/0046** (2013.01 - EP US); **B60L 3/12** (2013.01 - EP); **B60L 7/10** (2013.01 - EP); **B60L 50/60** (2019.01 - EP); **B60L 58/10** (2019.01 - EP); **B60L 58/12** (2019.01 - US); **B60L 58/24** (2019.01 - EP); **H02H 7/18** (2013.01 - EP); **H02J 7/0031** (2013.01 - EP US); **H02J 7/0047** (2013.01 - US); **B60L 2240/545** (2013.01 - EP US); **B60L 2240/547** (2013.01 - EP US); **B60L 2240/549** (2013.01 - EP US); **B60L 2250/00** (2013.01 - US); **B60L 2250/10** (2013.01 - EP); **H02H 3/087** (2013.01 - EP); **H02H 5/04** (2013.01 - EP); **Y02T 10/7072** (2013.01 - EP); **Y02T 90/14** (2013.01 - EP)

Citation (search report)

See references of WO 2020239353A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102019207692 A1 20201126**; CN 113924708 A 20220111; EP 3977584 A1 20220406; US 11865925 B2 20240109;  
US 2022250478 A1 20220811; WO 2020239353 A1 20201203

DOCDB simple family (application)

**DE 102019207692 A 20190526**; CN 202080039499 A 20200429; EP 2020061918 W 20200429; EP 20723106 A 20200429;  
US 202017614197 A 20200429