

Title (en)  
APPARATUS AND METHOD FOR THE DIRECTION-DEPENDENT OPERATION OF AN ELECTROCHEMICAL ENERGY STORE

Title (de)  
VORRICHTUNG UND VERFAHREN ZUM RICHTUNGSABHÄNGIGEN BETREIBEN EINES ELEKTROCHEMISCHEN ENERGIESPEICHERS

Title (fr)  
DISPOSITIF ET PROCÉDÉ D'EXPLOITATION D'UN ACCUMULATEUR D'ÉNERGIE ÉLECTROCHIMIQUE EN FONCTION DE LA DIRECTION

Publication  
**EP 3900188 A1 20211027 (DE)**

Application  
**EP 19832060 A 20191218**

Priority  
• DE 102018222554 A 20181220  
• EP 2019085838 W 20191218

Abstract (en)  
[origin: WO2020127414A1] An apparatus (100) for the direction-dependent operation of an electrochemical energy store (101) having a first semiconductor switch (102), which comprises a first inverse diode (103), and a second semiconductor switch (104), which comprises a second inverse diode (105), and having a first measuring device (106) and a second measuring device (107), characterized in that the first semiconductor switch (102) and the second semiconductor switch (104) are connected in series and the first measuring device (106) is configured to capture a first voltage measured value across the first inverse diode (103) and to compare the first voltage measured value with a first predetermined limit value, wherein the first semiconductor switch (102) is actuatable on the basis of the comparison of the first voltage measured value with the first predetermined limit value, and the second measuring device (107) is configured to capture a second voltage value across the second inverse diode (105) and to compare the second voltage measured value with a second predetermined limit value, wherein the second semiconductor switch is actuatable on the basis of the comparison of the second voltage measured value with the second predetermined limit value.

IPC 8 full level  
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CPC (source: EP)  
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Citation (examination)  
US 2012326531 A1 20121227 - KAWAMOTO SHINYA [JP], et al

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DOCDB simple family (publication)  
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