

Title (en)  
ENERGY STORAGE DEVICE, IN PARTICULAR A REDOX FLOW BATTERY

Title (de)  
ENERGIESPEICHERVORRICHTUNG, INSBESONDERE REDOX-FLOW-BATTERIE

Title (fr)  
DISPOSITIF DE STOCKAGE D'ÉNERGIE, EN PARTICULIER BATTERIE REDOX

Publication  
**EP 4186117 A1 20230531 (DE)**

Application  
**EP 21752503 A 20210719**

Priority  
• DE 102020119528 A 20200723  
• EP 2021070161 W 20210719

Abstract (en)  
[origin: WO2022018033A1] The invention relates to a component, in particular for a redox flow battery, having at least one cell, wherein: a cell is composed of two half-cells; each half-cell comprises at least one half-cell interior for receiving an electrolyte; at least one electrode and at least one membrane are assigned to each cell; and at least one electrode and at least one membrane are arranged so as to form a stack. According to the invention, at least one electrode and at least one membrane are at least partially connected in a fluid-tight manner. The invention also relates to a method for producing the component.

IPC 8 full level  
**H01M 8/18** (2006.01); **H01M 10/04** (2006.01)

CPC (source: EP US)  
**H01M 8/04186** (2013.01 - US); **H01M 8/04201** (2013.01 - US); **H01M 8/18** (2013.01 - EP); **H01M 8/188** (2013.01 - US); **H01M 10/0486** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP); **Y02E 60/50** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**DE 102020119528 A1 20220127**; CN 116134651 A 20230516; EP 4186117 A1 20230531; US 2023290983 A1 20230914; WO 2022018033 A1 20220127

DOCDB simple family (application)  
**DE 102020119528 A 20200723**; CN 202180060365 A 20210719; EP 2021070161 W 20210719; EP 21752503 A 20210719; US 202118017318 A 20210719