



US 20240178678A1

(19) **United States**(12) **Patent Application Publication**  
**HUBER et al.**(10) **Pub. No.: US 2024/0178678 A1**(43) **Pub. Date: May 30, 2024**(54) **CONTROL OF AN ENERGY STORAGE  
ARRANGEMENT****Publication Classification**(71) Applicants: **Martin HUBER**, Neu-Ulm (DE);  
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i.T. (DE)(51) **Int. Cl.**  
**H02J 7/00** (2006.01)**H02J 7/02** (2016.01)(52) **U.S. Cl.**  
CPC ..... **H02J 7/0019** (2013.01); **H02J 7/02**  
(2013.01)(72) Inventors: **Martin HUBER**, Neu-Ulm (DE);  
**Marcel MAIER**, Ulm (DE); **Matthias  
SPAEGELE**, Laupheim (DE)(57) **ABSTRACT**

An individual cell control of an energy storage arrangement (1) is to be achieved with reduced effort. Thereto, a control device for controlling an energy storage arrangement (1) is proposed, which comprises a plurality of individual cells (2, 2'). In addition, the control device comprises a switching device with individual switching elements (4, 4') for one or more of the individual cells. The individual switching elements (4, 4') of the switching device are organized in rows and columns in matrix-like manner. Each of the rows and columns of the switching device is activatable separately from each other such that each of the individual switching elements (4, 4') can be individually switched on and switched off. A matrix control unit (5) is provided for individually generating a respective activation signal for each individual switching element (4, 4') of the switching device.

(21) Appl. No.: **18/553,010**(22) PCT Filed: **Jun. 28, 2022**(86) PCT No.: **PCT/EP2022/067670**

§ 371 (c)(1),

(2) Date: **Sep. 28, 2023**(30) **Foreign Application Priority Data**

Jun. 30, 2021 (DE) ..... 10 2021 116 884.8

Dec. 14, 2021 (DE) ..... 10 2021 132 889.6

Jan. 25, 2022 (DE) ..... 10 2022 101 711.7

