

Title (en)
CONVERTER AND METHOD FOR OPERATING SAME

Title (de)
UMRICHTER UND VERFAHREN ZU DESSEN BETRIEB

Title (fr)
CONVERTISSEUR ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication
EP 4162598 A1 20230412 (DE)

Application
EP 20754639 A 20200724

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EP 2020070903 W 20200724

Abstract (en)
[origin: WO2022017617A1] The invention relates inter alia to a converter (10) comprising module devices (ME1-ME6) which each have a series connection with at least two partial modules (TM) which are electrically connected in series. According to the invention, it is provided that a central device (ZE) is designed to switch module control devices (MSE), in which the sum of the transmitted voltage values or the transmitted sum value (Su1-Su6) reaches or exceeds a predefined voltage threshold, into a second charging phase of a charging operation by transmitting a first voltage specification (Uaus,soll) relating to switched-off partial modules (TM) and a second voltage specification (Uein,soll) relating to switched-on partial modules (TM) to said module control devices (MSE), and wherein the module devices (ME1-ME6) are designed to meet or at least approximately meet the first and second voltage specifications (Uaus,soll, Uein,soll) by setting none, one or more of the communication-capable partial modules (TM) thereof into a switched-on operating state and none, one or more of the other communication-capable partial modules (TM) thereof into a switched-off operating state, and to continue the charging of the energy stores (ES) which are in the switched-on and blocked operating state.

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