

Title (en)
CONVERTER AND METHOD FOR OPERATING SAME

Title (de)
UMRICHTER UND VERFAHREN ZU DESSEN BETRIEB

Title (fr)
CONVERTISSEUR ET SON PROCÉDÉ DE FONCTIONNEMENT

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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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