

Title (en)

DRIVE METHOD FOR A DC-DC VOLTAGE CONVERTER, AND DC-DC VOLTAGE CONVERTER

Title (de)

ANSTEUERVERFAHREN FÜR EINEN GLEICHSPANNUNGSWANDLER UND GLEICHSPANNUNGSWANDLER

Title (fr)

PROCÉDÉ DE COMMANDE D'UN CONVERTISSEUR CONTINU-CONTINU ET CONVERTISSEUR CONTINU-CONTINU

Publication

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Application

EP 20754242 A 20200810

Priority

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- EP 2020072368 W 20200810

Abstract (en)

[origin: WO2021037537A1] The present invention relates to the driving of a DC-DC voltage converter (1), such as for example a phase-shifted full-bridge DC-DC voltage converter, it being possible to switch between two predefined switching sequences. It is thereby possible to achieve even loading of the switching elements (M1-M4) of a primary-side full bridge (10) of the DC-DC voltage converter (1). Thus, by way of example, in the first switching sequence (S1), the switching elements (M1, M3) of a first half bridge of the primary-side full bridge (10) may be hard-switched, whereas, in the second switching sequence (S2), the switching elements (M2, M4) of a second half bridge of the primary-side full bridge (10) may be hard-switched.

IPC 8 full level

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