

Title (en)

DC-TO-DC CONVERTER HAVING A SECONDARY RESONANT CIRCUIT CAPACITOR, AND METHOD FOR OPERATING A DC-TO-DC CONVERTER

Title (de)

GLEICHSPANNUNGSWANDLER MIT EINEM SEKUNDÄREN SCHWINGKREISKONDENSATOR, SOWIE VERFAHREN ZUM BETREIBEN EINES GLEICHSPANNUNGSWANDLERS

Title (fr)

CONVERTISSEUR CONTINU-CONTINU DOTÉ D'UN CONDENSATEUR DE CIRCUIT D'OSCILLATIONS SECONDAIRE, AINSI QUE PROCÉDÉ DE FONCTIONNEMENT D'UN CONVERTISSEUR CONTINU-CONTINU

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Application

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Abstract (en)

[origin: WO2020187513A1] The invention relates to a DC-to-DC converter (10), comprising a primary side (14) of a transformer element (12) of the DC-to-DC converter (10) and a secondary side (16) of the transformer element (12), the primary side (14) having a first rectifier circuit (18) and a primary-side resonant circuit (46) and the secondary side (16) having a second rectifier circuit (20) and a secondary-side stored energy source (44), the transformer element (12) being arranged between the primary side (14) and the secondary side (16) in order to transfer electrical energy, the secondary side (16) having a secondary resonant circuit capacitor (52). The invention further relates to a method.

IPC 8 full level

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