

Title (en)

AUXILIARY VOLTAGE SUPPLY FOR CONVERTER AND USE THEREOF IN VEHICLES

Title (de)

HILFSSPANNUNGSVERSORGUNG FÜR STROMRICHTER UND IHR EINSATZ IN FAHRZEUGEN

Title (fr)

ALIMENTATION EN TENSION AUXILIAIRE POUR CONVERTISSEUR DE COURANT ET SON UTILISATION DANS DES VÉHICULES

Publication

**EP 4022753 A1 20220706 (DE)**

Application

**EP 20758195 A 20200819**

Priority

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- EP 2020073183 W 20200819

Abstract (en)

[origin: WO2021037628A1] The invention relates to a circuit arrangement (1) for generating an auxiliary DC voltage (VLV), having: - a half bridge circuit (2) outputting a load current (IL), which half bridge circuit converts a DC voltage (V1) to an AC voltage, and - at least two intermediate circuit capacitors (4) arranged on the input side, in series parallel to the half bridge circuit (2), characterized by: - an auxiliary voltage generating unit (5) which is supplied with electrical energy by one of the intermediate circuit capacitors (4) and which is designed to generate an auxiliary DC voltage (VLV) of less than or equal to 48 V. The invention also relates to an associated method for generating an auxiliary DC voltage and to a power converter and a vehicle having such a circuit arrangement.

IPC 8 full level

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Citation (search report)

See references of WO 2021037628A1

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