

Title (en)

CONTROLLER FOR A DC-TO-DC CONVERTER, DC-TO-DC CONVERTER DEVICE, AND METHOD FOR ACTUATING A DC-TO-DC CONVERTER

Title (de)

STEUERVORRICHTUNG FÜR EINEN GLEICHSPANNUNGSWANDLER, GLEICHSPANNUNGSWANDLERVORRICHTUNG SOWIE VERFAHREN ZUR ANSTEUERUNG EINES GLEICHSPANNUNGSWANDLERS

Title (fr)

DISPOSITIF DE COMMANDE POUR CONVERTISSEUR CONTINU-CONTINU, CONVERTISSEUR CONTINU-CONTINU ET PROCÉDÉ D'ACTIONNEMENT D'UN CONVERTISSEUR CONTINU-CONTINU

Publication

EP 4256684 A1 20231011 (DE)

Application

EP 21787433 A 20211006

Priority

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- EP 2021077571 W 20211006

Abstract (en)

[origin: WO2022117246A1] The invention relates to the verification of operating parameters, in particular input and output values of a DC-to-DC converter which are detected by a sensor. For this purpose, the ratio between the input current and the output current of a DC-to-DC converter is calculated on the basis of two different calculation methods, wherein the different calculation methods are at least partly based on different parameters. If the two calculation methods lead to the same or at least approximately the same ratio of input current to output current, a plausibility check can thus be ran on the reliability of the parameters being used.

IPC 8 full level

H02M 1/00 (2006.01); **H02M 1/32** (2007.01); **H02M 1/34** (2007.01); **H02M 3/155** (2006.01); **H02M 3/335** (2006.01)

CPC (source: EP US)

H02M 1/0009 (2021.05 - US); **H02M 1/0012** (2021.05 - EP); **H02M 1/0025** (2021.05 - US); **H02M 1/088** (2013.01 - US); **H02M 1/32** (2013.01 - EP); **H02M 1/325** (2021.05 - EP); **H02M 3/155** (2013.01 - EP); **H02M 3/335** (2013.01 - EP); **H02M 3/33507** (2013.01 - EP); **H02M 3/33523** (2013.01 - US); **H02M 3/33584** (2013.01 - EP); **H02M 1/342** (2021.05 - EP); **Y02B 70/10** (2013.01 - EP)

Citation (search report)

See references of WO 2022117246A1

Designated contracting state (EPC)

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BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 2021077571 W 20211006; CN 202180080740 A 20211006; DE 102020215123 A 20201201; EP 21787433 A 20211006; US 202118254111 A 20211006