

Title (en)
CONVERTER ARRANGEMENT AND METHOD FOR THE OPERATION THEREOF

Title (de)
UMRICHTERANORDNUNG UND VERFAHREN ZU DEREN BETRIEB

Title (fr)
DISPOSITIF CONVERTISSEUR ET PROCÉDÉ POUR SON FONCTIONNEMENT

Publication
EP 3868011 A1 20210825 (DE)

Application
EP 18829215 A 20181205

Priority
EP 2018083673 W 20181205

Abstract (en)
[origin: WO2020114594A1] The invention relates to a method for operating a converter arrangement (1) having a modular multilevel converter (2), which comprises at least one series circuit of two-pole switching modules (9), of which at least one first switching module is a full-bridge switching module comprising controllable semiconductor switches (H1-4) and an energy store (C), which switches and energy store are connected to one another in a full-bridge circuit. The method according to the invention is characterized in that after one of the semiconductor switches in the first switching module has been found to be defective, the first switching module continues to be operated as a semi-bridge switching module. The invention further relates to the converter arrangement by means of which the method according to the invention can be carried out.

IPC 8 full level
H02M 1/32 (2007.01)

CPC (source: EP US)
H02M 1/0009 (2021.05 - US); **H02M 1/32** (2013.01 - EP US); **H02M 1/325** (2021.05 - US); **H02M 7/4835** (2021.05 - EP US); **H02M 7/5387** (2013.01 - US); **H02M 1/325** (2021.05 - EP); **H02M 7/483** (2013.01 - US)

Citation (search report)
See references of WO 2020114594A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2020114594 A1 20200611; EP 3868011 A1 20210825; US 2022029527 A1 20220127

DOCDB simple family (application)
EP 2018083673 W 20181205; EP 18829215 A 20181205; US 201817311417 A 20181205