

Title (en)
CONVERTER ASSEMBLY

Title (de)
UMRICHTERANORDNUNG

Title (fr)
ENSEMBLE CONVERTISSEUR

Publication
EP 3656044 A1 20200527 (DE)

Application
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EP 2017072004 W 20170901

Abstract (en)
[origin: WO2019042566A1] The invention relates to a converter assembly (10), comprising at least one converter unit (11, 11a, 11b), which has at least two alternating-voltage connection points (W1, W2, W3), at each of which an alternating current can be fed in or drawn, and which has a first and a second direct-voltage connection point (101, 102, 201, 202), at which a direct current can be fed in or drawn, wherein the converter unit comprises one series circuit (R1, R2, R3) per alternating-voltage connection point, each series circuit being associated with one of the alternating-voltage connection points, the series circuits are connected electrically in parallel, for each series circuit a first series circuit connection point is connected to the first direct-voltage connection point of the converter unit and a second series circuit connection point is connected to the second direct-voltage connection point of the converter unit, each of the series circuits has sub-modules connected in series, and for each of the series circuits the alternating-voltage connection point divides the sub-modules into a sub-module group electrically close to the first series circuit connection point and a sub-module group electrically close to the second series circuit connection point. According to the invention, one of the two direct-voltage connection points of the converter unit is grounded, for each of the series circuits the associated alternating-voltage connection points divides the sub-modules into a sub-module group (NG) electrically close to ground and a sub-module group (FG) electrically remote from ground, and the sub-module groups close to ground have at least one bipolar sub-module and sub-module groups remote from ground have only unipolar sub-modules.

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Citation (search report)
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