

Title (en)

ASSEMBLY COMPRISING A BOARD DEFINING A VOLTAGE CONVERTER

Title (de)

ANORDNUNG MIT EINER EINEN SPANNUNGSWANDLER DEFINIERENDEN PLATINE

Title (fr)

ENSEMBLE COMPRENANT UNE CARTE DÉFINISSANT UN CONVERTISSEUR DE TENSION

Publication

**EP 3970269 A1 20220323 (FR)**

Application

**EP 20723884 A 20200511**

Priority

- FR 1904971 A 20190513
- EP 2020063057 W 20200511

Abstract (en)

[origin: WO2020229413A1] Assembly comprising: - a substrate (1), - a board (3) which has electronic components so as to define a voltage converter, the board (3) having at least two electronic switches which are arranged electrically in series so as to form a switching arm and to define a centre point between them, and - a metal screen (8) which is physically positioned between the substrate (1) and at least one electrical conductor (10) of the board (3) which is at the potential of the centre point, the assembly comprising an active common mode filter circuit (20) which generates a correction voltage which is applied between the screen (8) and the substrate (1) on the basis of the voltage between the centre point and the screen (8).

IPC 8 full level

**H02M 1/15** (2006.01); **H02M 1/12** (2006.01); **H02M 1/44** (2007.01); **H02M 3/335** (2006.01); **H02M 7/00** (2006.01); **H02M 7/48** (2007.01); **H05K 7/00** (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2020229413A1

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**EP 2020063057 W 20200511**; CN 202080035240 A 20200511; EP 20723884 A 20200511; FR 1904971 A 20190513