

Title (en)
POWER CONVERTER

Title (de)
STROMRICHTER

Title (fr)
CONVERTISSEUR DE PUISSANCE

Publication
EP 3987648 A1 20220427 (DE)

Application
EP 19759297 A 20190805

Priority
EP 2019070986 W 20190805

Abstract (en)
[origin: WO2021023365A1] The invention relates to a power converter (1) comprising at least one phase module (15) which has a plurality of modules (1_1... 6_n) which are electrically connected in series. Each module has a first electrical module connection (212), a second electrical module connection (215), a first electronic switching element (202), a second electronic switching element (206) and an electrical energy storage device (210). The phase module (15) is assigned at least one controllable voltage source (2_x) which is suitable for generating a compensation voltage (k(t)) in response to a corresponding actuation (u_f(t)), the compensation voltage (k(t)) having a time profile such that it reduces an error voltage generated by the switching of the first electronic switching elements (202) and the second electronic switching elements (206) of the modules (1_1... 6_n).

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