

Title (en)  
THREE-PHASE AC/DC VOLTAGE CONVERTER WITH ONLY TWO ELECTRICAL CONVERSION MODULES

Title (de)  
DREIPHASIGER AC/DC-SPANNUNGSWANDLER MIT NUR ZWEI ELEKTRISCHEN WANDLERMODULEN

Title (fr)  
CONVERTISSEUR DE TENSION AC/DC TRIPHASE COMPRENANT UNIQUEMENT DEUX MODULES DE CONVERSION ELECTRIQUE

Publication  
**EP 4173128 A1 20230503 (FR)**

Application  
**EP 21731198 A 20210614**

Priority  
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• EP 2021066000 W 20210614

Abstract (en)  
[origin: WO2022002573A1] The invention relates to a voltage converter (10) for converting AC voltage to DC voltage and vice versa, the voltage converter comprising first and second electrical conversion modules (22, 24) connected in series in an arm (20); an electrical power conversion device (40) having a first primary winding (41a) connected between first and second AC terminals (30, 32) and a second primary winding (42a) connected between second and third AC terminals (32, 34), as well as first and second secondary windings (41b, 42b); and a control module (100) configured to control the first and second electrical conversion modules so that a first alternating current (I1) flowing in the first secondary winding and a second alternating current (I2) flowing in the second secondary winding are out of phase, the voltage converter comprising only two electrical conversion modules.

IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)  
See references of WO 2022002573A1

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