Title (en)

VOLTAGE CONVERTER

Title (de)

SPANNUNGSWANDLER

Title (fr)

TRANSFORMATEUR DE TENSION

Publication

EP 1442512 A2 20040804 (DE)

Application

EP 02791572 A 20021105

Priority

- AT 0200308 W 20021105
- AT 17372001 A 20011105

Abstract (en)

[origin: WO03041248A2] The invention relates to a voltage converter for converting a direct current voltage (UE) to a three-phase alternating current voltage (UR, US, UT) in the line frequency range. Said voltage converter comprises at least one inductance (L1, L2) and a plurality of switches (S1, ..., S9) controlled by a control circuit (AST). The voltage converter is provided with a first converter element (S1, D1, L1, S2) that produces positive output voltage portions, and a second converter element (S3, L2) that produces negative output voltage portions. The output of the first converter element is linked with the three-phase current outputs (R, S, T) via one each of first longitudinal phase circuit breakers (S4, S5, S6), and the output of the second converter element via one each of second longitudinal phase circuit breakers (S7, S8, S9).

IPC 1-7

H02M 3/158; H02M 7/48; H02M 7/5387

IPC 8 full level

H02M 7/5387 (2006.01)

CPC (source: EP US)

H02M 7/53875 (2013.01 - EP US); H02M 1/007 (2021.05 - EP US)

Citation (search report)

See references of WO 03041248A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03041248 A2 20030515; **WO 03041248 A3 20031218**; CN 100338863 C 20070919; CN 1579045 A 20050209; EP 1442512 A2 20040804; US 2004245968 A1 20041209; US 7120039 B2 20061010

DOCDB simple family (application)

AT 0200308 W 20021105; CN 02821521 A 20021105; EP 02791572 A 20021105; US 83841404 A 20040504