

Title (en)

MODULAR CASCADED CHARGE-PUMP CONVERTER

Title (de)

MODULARER KASKADIERTER LADUNGSPUMPENUMSETZER

Title (fr)

CONVERTISSEUR DE POMPE DE CHARGE EN CASCADE MODULAIRE

Publication

EP 3973626 A1 20220330 (EN)

Application

EP 19727319 A 20190521

Priority

EP 2019063134 W 20190521

Abstract (en)

[origin: WO2020233803A1] A converter (10) converting between a first voltage (V1) and a second voltage (V2) has a first connection port (CP1) for the first voltage (V1), a second connection port (CP2) for the second voltage and a stack of cells (CE1, CE2, CE3, CE4), where each cell comprises an energy storage element (C1, C2, C3, C4). In the converting the cells are configured to sequentially move a charge between the energy storage elements from one end of the stack to another end of the stack, the sequential moving of a charge comprising a cell being configured to move the charge between itself and a neighbour cell.

IPC 8 full level

H02M 3/07 (2006.01); **G05F 1/10** (2006.01); **H02M 1/00** (2006.01)

CPC (source: EP)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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