

Title (en)
TITLE: ISOLATED VOLTAGE CONVERTER

Title (de)
TITEL: ISOLIERTER SPANNUNGSWANDLER

Title (fr)
TITRE : CONVERTISSEUR DE TENSION ISOLÉ

Publication
EP 4315577 A1 20240207 (FR)

Application
EP 22718907 A 20220328

Priority
• FR 2103211 A 20210329
• EP 2022058161 W 20220328

Abstract (en)
[origin: WO2022207571A1] This isolated voltage converter (106) comprises: - first and second global input terminals (P, N) intended to receive a global input voltage (VE) between them; and - a first and a second voltage conversion module (1081, 1082), each with a primary circuit and a secondary circuit that are isolated and connected by a magnetic circuit, the primary circuits being connected in series between the global input terminals (P, N) so as each to receive only a portion of the global input voltage (VE) as local input voltage (VE1, VE2). It furthermore comprises a device (118) for regulating the local input voltages (VE1, VE2) so as to keep them in a predefined ratio, for example to keep equal to one another.

IPC 8 full level
H02M 1/00 (2006.01); **H02M 3/158** (2006.01); **H02M 3/335** (2006.01)

CPC (source: EP)
H02M 1/0016 (2021.05); **H02M 1/0025** (2021.05); **H02M 3/1586** (2021.05); **H02M 3/33571** (2021.05); **H02M 1/0043** (2021.05);
H02M 1/007 (2021.05)

Citation (search report)
See references of WO 2022207571A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
FR 3121298 A1 20220930; CN 117581467 A 20240220; EP 4315577 A1 20240207; WO 2022207571 A1 20221006

DOCDB simple family (application)
FR 2103211 A 20210329; CN 202280038624 A 20220328; EP 2022058161 W 20220328; EP 22718907 A 20220328