

Title (en)
POWER SUPPLY

Title (de)
STROMVERSORGUNG

Title (fr)
ALIMENTATION ÉLECTRIQUE

Publication
EP 2812988 A2 20141217 (DE)

Application
EP 13700686 A 20130114

Priority
• EP 12153980 A 20120206
• EP 2013050573 W 20130114
• EP 13700686 A 20130114

Abstract (en)
[origin: EP2624428A1] The source has an intermediate circuit (3) provided with an intermediate circuit voltage i.e. safe voltage, so that the circuit is connected to a power supply voltage over the direct current-direct current converter (2) i.e. resonance converter. Output switching regulators (1n, 11-13) e.g. downward switching regulators, are attached to the intermediate circuit to provide regulated output voltages (Out1-Outn) at an output side. A measurement value of the circuit voltage is supplied to a controlling unit to limit the circuit voltage to predetermined lower and upper values. An independent claim is also included for a method for operating a power source.

IPC 8 full level
H02M 3/335 (2006.01); **H02M 1/42** (2007.01); **H02M 3/158** (2006.01)

CPC (source: EP US)
G05F 1/577 (2013.01 - US); **H02M 3/1584** (2013.01 - EP US); **H02M 3/33523** (2013.01 - EP US); **H02M 3/33561** (2013.01 - US); **H02M 1/007** (2021.05 - EP US); **H02M 1/008** (2021.05 - EP US); **H02M 1/327** (2021.05 - EP US); **H02M 1/4208** (2013.01 - EP US); **Y02B 70/10** (2013.01 - EP US)

Citation (search report)
See references of WO 2013117385A2

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

DOCDB simple family (publication)
EP 2624428 A1 20130807; CN 104081643 A 20141001; CN 104081643 B 20170426; EP 2812988 A2 20141217; RU 2014132425 A 20160410; US 11342851 B2 20220524; US 2015021996 A1 20150122; WO 2013117385 A2 20130815; WO 2013117385 A3 20131003

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EP 12153980 A 20120206; CN 201380008186 A 20130114; EP 13700686 A 20130114; EP 2013050573 W 20130114; RU 2014132425 A 20130114; US 201314376887 A 20130114