

Title (en)

ELECTRICAL CIRCUIT FOR CHARGING A DC VOLTAGE SOURCE

Title (de)

ELEKTRISCHE SCHALTUNG ZUM LADEN EINER GLEICHSPANNUNGSQUELLE

Title (fr)

CIRCUIT ÉLECTRIQUE POUR CHARGE D'UNE SOURCE DE TENSION CONTINUE

Publication

**EP 3987647 A1 20220427 (FR)**

Application

**EP 20731118 A 20200611**

Priority

- FR 1906832 A 20190624
- EP 2020066190 W 20200611

Abstract (en)

[origin: WO2020260032A1] Electrical circuit (1) for charging a DC voltage source from an AC voltage network, the circuit comprising: - an input (3) suitable for receiving an AC voltage from the voltage network, - a first output (4) suitable for being connected to the DC voltage source, - an insulation stage formed using several condensers (30, 31, 32, 33), arranged so as to electrically insulate the input (3) from the first output (4) of the circuit, and - a frequency increase stage (6) arranged between the input of the circuit and the insulation stage such that the condensers of the insulation stage are in a portion of the circuit traversed by an AC current at a frequency greater than that of the AC network.

IPC 8 full level

**H02M 5/297** (2006.01); **H02J 50/05** (2016.01)

CPC (source: CN EP US)

**H02J 7/02** (2013.01 - CN); **H02J 7/06** (2013.01 - US); **H02J 50/05** (2016.02 - CN EP US); **H02M 5/297** (2013.01 - CN EP); **H02M 7/003** (2013.01 - CN); **H02M 7/05** (2021.05 - US); **H02M 7/1552** (2013.01 - US); **H02J 7/06** (2013.01 - EP); **Y02T 10/70** (2013.01 - EP); **Y02T 10/7072** (2013.01 - EP); **Y02T 90/14** (2013.01 - EP)

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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