

Title (en)

METHOD FOR CONNECTING A PHOTOVOLTAIC (PV) INVERTER TO A THREE-PHASE NETWORK, AND PV INVERTER

Title (de)

VERFAHREN ZUM ZUSCHALTEN EINES PHOTOVOLTAIK(PV) WECHSELRICHTERS AN EIN DREIPHASIGES NETZ UND PV-WECHSELRICHTER

Title (fr)

PROCÉDÉ POUR CONNECTER UN ONDULEUR PHOTOVOLTAÏQUE (PV) À UN RÉSEAU TRIPHASÉ ET ONDULEUR PV

Publication

EP 3850740 A1 20210721 (DE)

Application

EP 19812681 A 20191108

Priority

- DE 102018219273 A 20181112
- EP 2019080682 W 20191108

Abstract (en)

[origin: WO2020099263A1] The invention relates to a method for operating a photovoltaic (PV) inverter (1) and to a PV inverter. The phase relays (7, 8, 9) of the PV inverter (1) are not closed simultaneously during the electrical connection of the PV inverter (1) to a three-phase network (2). Instead, the only phase relay (7, 8, 9) which is closed is the one at the respective output terminal (4, 5, 6) of which a voltage which corresponds to the voltage at the respective network phase (U, V, VV) can be set and is set.

IPC 8 full level

H02M 1/36 (2007.01); **H02J 3/40** (2006.01); **H02M 7/12** (2006.01); **H02M 7/5387** (2007.01)

CPC (source: EP)

H02J 3/381 (2013.01); **H02J 3/44** (2013.01); **H02M 1/36** (2013.01); **H02M 7/5387** (2013.01); **H02J 2300/24** (2020.01); **H02M 7/125** (2013.01); **Y02E 10/56** (2013.01)

Citation (search report)

See references of WO 2020099263A1

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)

DE 102018219273 A1 20200514; EP 3850740 A1 20210721; WO 2020099263 A1 20200522

DOCDB simple family (application)

DE 102018219273 A 20181112; EP 19812681 A 20191108; EP 2019080682 W 20191108