

Title (en)

MULTI-POWER SOURCE SYSTEMS FOR PHOTOVOLTAIC BATTERY CONTROL

Title (de)

MEHRLEISTUNGSQUELLENSYSTEME FÜR EINE FOTOVOLTAISCHE BATTERIESTEuerung

Title (fr)

SYSTÈMES DE BLOCS D'ALIMENTATION MULTIPLES POUR COMMANDE DE BATTERIE PHOTOVOLTAÏQUE

Publication

EP 3776803 A4 20220126 (EN)

Application

EP 19781235 A 20190326

Priority

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- US 2019024098 W 20190326

Abstract (en)

[origin: WO2019195031A1] A multi-power source system including a first power source, a second power source in a parallel with the first power source, and a diode preventing power from the second power source to drive the first power source but permitting the first power source to charge the second power source. The system also includes a controller operably coupled to both the first and second power sources, and a plurality of field effect transistor (FETs) arranged in series with one or more of the first power source, the second power source, and the load, wherein controller can switch the plurality of FETs to enable the first power source to drive the load or the second power source to drive the load.

IPC 8 full level

H02J 7/35 (2006.01); **F24S 30/425** (2018.01); **F24S 50/20** (2018.01); **H02J 1/10** (2006.01); **H02J 7/00** (2006.01); **H02J 7/34** (2006.01); **H02S 20/00** (2014.01); **H02S 20/32** (2014.01)

CPC (source: EP)

F24S 30/425 (2018.04); **F24S 50/20** (2018.04); **H02J 1/106** (2020.01); **H02J 7/35** (2013.01); **H02S 20/32** (2014.12); **H02J 7/0068** (2013.01); **H02J 2300/26** (2020.01); **Y02E 10/47** (2013.01); **Y02E 10/56** (2013.01)

Citation (search report)

- [Y] US 2007297058 A1 20071227 - BRIEE STEVEN [US], et al
- [Y] US 2012139471 A1 20120607 - DUBOVSKY STEPHEN [US]
- [A] US 2015270731 A1 20150924 - ADELMANN PETER [DE], et al
- [A] CN 203562977 U 20140423 - UNIV NANJING NORMAL
- See references of WO 2019195031A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 2019195031 A1 20191010; AU 2019248465 A1 20201008; AU 2019248465 B2 20211007; AU 2021273521 A1 20211216; AU 2021273521 B2 20230608; AU 2023226648 A1 20230921; CN 208386480 U 20190115; EP 3776803 A1 20210217; EP 3776803 A4 20220126

DOCDB simple family (application)

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