

Title (en)  
ELECTRICAL ENERGY PRODUCTION SYSTEM AND METHOD FOR OPERATING AN ELECTRICAL ENERGY PRODUCTION SYSTEM

Title (de)  
ELEKTRISCHES ENERGIEERZEUGUNGSSYSTEM UND VERFAHREN ZUM BETREIBEN EINES ELEKTRISCHEN ENERGIEERZEUGUNGSSYSTEMS

Title (fr)  
SYSTÈME DE PRODUCTION D'ÉNERGIE ÉLECTRIQUE ET PROCÉDÉ POUR LE FONCTIONNEMENT D'UN SYSTÈME DE PRODUCTION D'ÉNERGIE ÉLECTRIQUE

Publication  
**EP 3635855 A1 20200415 (DE)**

Application  
**EP 18727162 A 20180507**

Priority  
• DE 102017212572 A 20170721  
• EP 2018061708 W 20180507

Abstract (en)  
[origin: WO2019015822A1] The invention relates to an electrical energy production system (10), comprising: a diesel engine (1) that is functionally coupled to a three-phase current generator device (2), the generator device (2) being functionally coupled to an electrical intermediate circuit (30), the electrical intermediate circuit (30) being functionally coupled to an electrical consumption device (40), a passive rectifier (20) and a pulse rectifier (21) being connected in parallel in the intermediate circuit, an electrical intermediate circuit voltage (u<sub>ZK</sub>) of the electrical intermediate circuit (30) being provided, in a defined manner, from the passive rectifier (20) and the pulse rectifier (21), a nominal value (u<sub>ZK\_min</sub>) of the electrical intermediate circuit voltage (u<sub>ZK</sub>) being supplied to the pulse rectifier (21), and the pulse rectifier (21) providing a defined portion of the electrical intermediate circuit voltage (u<sub>ZK</sub>).

IPC 8 full level  
**H02M 7/40** (2006.01); **B60K 6/26** (2007.10); **H02M 7/66** (2006.01); **H02M 7/98** (2006.01)

CPC (source: EP RU US)  
**B60L 15/12** (2013.01 - RU US); **B60L 50/12** (2019.01 - EP); **B60L 50/13** (2019.01 - EP); **H02K 7/1815** (2013.01 - US); **H02M 7/06** (2013.01 - EP); **H02M 7/219** (2013.01 - EP); **H02M 7/23** (2013.01 - EP); **H02M 7/40** (2013.01 - RU); **H02M 7/98** (2013.01 - RU); **B60L 2200/26** (2013.01 - EP); **B60L 2210/14** (2013.01 - EP); **B60L 2210/30** (2013.01 - EP); **B60L 2220/12** (2013.01 - EP); **B60L 2220/14** (2013.01 - EP); **B60L 2220/18** (2013.01 - EP); **B60L 2240/421** (2013.01 - EP); **B60L 2240/427** (2013.01 - EP); **B60L 2240/441** (2013.01 - EP); **B60L 2240/527** (2013.01 - EP); **B60L 2260/26** (2013.01 - EP); **H02M 5/44** (2013.01 - EP); **Y02T 10/64** (2013.01 - EP); **Y02T 10/7072** (2013.01 - EP); **Y02T 10/72** (2013.01 - EP)

Citation (search report)  
See references of WO 2019015822A1

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)  
**WO 2019015822 A1 20190124**; DE 102017212572 A1 20190124; EP 3635855 A1 20200415; RU 2743391 C1 20210217; US 2020161940 A1 20200521

DOCDB simple family (application)  
**EP 2018061708 W 20180507**; DE 102017212572 A 20170721; EP 18727162 A 20180507; RU 2020107637 A 20180507; US 201816632573 A 20180507