Title (en)

METHOD AND CIRCUITS FOR COMMON MODE CURRENT DEPRESSION IN 3 PHASE TRANSFORMERLESS PV INVERTER

Title (de)

VERFAHREN UND SCHALTUNGEN FÜR GLEICHTAKTSTROMUNTERDRÜCKUNG BEI EINEM 3-PHASIGEN TRANSFORMATORLOSEN PV-WECHSELRICHTER

Title (fr)

PROCÉDÉ ET CIRCUITS POUR SUPPRESSION DE COURANT DE MODE COMMUN DANS ONDULEUR PV SANS TRANSFORMATEUR TRIPHASÉ

Publication

EP 2671311 A1 20131211 (EN)

Application

EP 11857825 A 20110803

Priority

- HU P1102617 A 20110204
- KR 2011005697 W 20110803

Abstract (en)

[origin: WO2012105737A1] The DC energy is provided by A string which output 1is connected to B well known boost terminal 1and A string terminal 2 is connected B boost terminal 2. The increased voltage from B boost output terminal 3 and 4 is connected to the well-known D inverter terminal 1 and 2. D inverter R,S,T outputs go through the E RCD ring and connected to the F utility grid terminal R,S,T. A string terminal 1 connected to C1 stray capacitance while terminal 2 is connected to C2 stray capacitance while C1 nad C2 stray capacitance other terminal are connected to the ground (earth) potential. E RCD terminal 1 connects to H filter and G comparator terminal 1, while H filter terminal 2 connects to I modifier terminal 1. I modifier terminal 2 connects J controller terminal 2 while J controller terminal 1 connects to K PWM terminal 3. K PWM terminal 1 connects to B boost terminal 5 while K PWM terminal 2 connects to D inverter terminal 3.

IPC 8 full level

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CPC (source: EP US)

H02J 3/381 (2013.01 - EP US); **H02M 1/12** (2013.01 - EP US); **H02M 1/32** (2013.01 - EP); H02J 2300/24 (2020.01 - EP US); Y02E 10/56 (2013.01 - EP)

Citation (search report)

See references of WO 2012105737A1

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