

Title (en)

POWER SUPPLY ARRANGEMENT WITH OUTPUT FLOW MONITORING

Title (de)

STROMVERSORGUNGSANORDNUNG MIT ÜBERWACHUNG DES AUSGANGSSTROMS

Title (fr)

SYSTÈME D'ALIMENTATION EN COURANT AVEC CONTRÔLE DU COURANT DE SORTIE

Publication

EP 2218164 A1 20100818 (DE)

Application

EP 08856279 A 20081114

Priority

- EP 2008009641 W 20081114
- DE 102007058614 A 20071204

Abstract (en)

[origin: WO2009071171A1] According to the invention, a blocking oscillator type converter circuit functions with a transformer that only comprises a primary winding and a secondary winding. Said transformer does not comprise a return coupling winding for the blocking oscillator. The control voltage of the oscillator is derived from the primary voltage of the transformer during the free-wheeling phase. The invention also relates to a voltage monitoring circuit that works independently from the oscillator, the output voltage of the oscillator being repressed when the voltage on the output of the blocking oscillator is too high. A flow monitoring circuit functions independently from the oscillator and the voltage monitoring circuit and suppresses the impulses for the power transistor when the power on the output side exceeds a predetermined measurement.

IPC 8 full level

H02M 3/335 (2006.01); **H02M 1/32** (2007.01)

CPC (source: EP US)

H02M 1/32 (2013.01 - EP US); **H02M 3/33523** (2013.01 - EP US); **H02M 3/3381** (2013.01 - EP US); **H02M 1/344** (2021.05 - EP US)

Citation (search report)

See references of WO 2009071171A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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