

Title (en)

VOLTAGE CONTROLLER FOR SWITCHING POWER SUPPLIES

Title (de)

DIGITALE STEUERSCHALTUNG FÜR HOCHFREQUENZ-SCHALTENDE SCHALTNETZTEILE

Title (fr)

REGULATEUR NUMERIQUE POUR ALIMENTATIONS A DECOUPAGE HAUTE FREQUENCE

Publication

EP 1451920 A2 20040901 (EN)

Application

EP 02799912 A 20021209

Priority

- US 0239189 W 20021209
- US 33871201 P 20011207
- US 29109802 A 20021108

Abstract (en)

[origin: WO03050637A2] A voltage controller (150), the controller comprising: a voltage comparator (700) operative to provide a digital error signal (152); a compensator (300) operative to determine a digital control signal (154) based on said provided error signal; and a modulator (400) operative to provide a power control signal (156) based on said determined digital control signal, wherein said comparator, said compensator, and said modulator are implemented entirely with digital logic gates.

IPC 1-7

H02M 3/158

IPC 8 full level

H02M 3/155 (2006.01); **G06F 1/26** (2006.01); **H02M 3/157** (2006.01); **H03M 1/50** (2006.01)

CPC (source: EP)

G06F 1/26 (2013.01); **H02M 3/157** (2013.01); **H03M 1/50** (2013.01); **H03M 1/502** (2013.01); **H03M 1/60** (2013.01)

Citation (search report)

See references of WO 03050637A2

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Designated extension state (EPC)

AL LT LV MK RO

DOCDB simple family (publication)

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