

Title (en)

USING DIGITAL COMMUNICATIONS IN THE CONTROL OF LOAD SHARING BETWEEN PARALLELED POWER SUPPLIES

Title (de)

VERWENDUNG DER DIGITALEN KOMMUNIKATION BEI DER STEUERUNG DES LASTAUSGLEICHS ZWISCHEN PARALLELISIERTEN STROMVERSORGUNGEN

Title (fr)

METHODE POUR COMMANDER UN PARTAGE DE CHARGE ENTRE DES SOURCES D'ALIMENTATION EN PARALLELE, FAISANT APPEL A DES COMMUNICATIONS NUMERIQUES

Publication

EP 1979800 A2 20081015 (EN)

Application

EP 06817395 A 20061025

Priority

- US 2006041751 W 20061025
- US 72998805 P 20051025
- US 38537706 A 20060321

Abstract (en)

[origin: WO2007050738A2] A plurality of power supply modules having their outputs coupled in parallel are controlled for load balancing purposes through a digital communications channel. The digital communications channel may be a wired digital serial or parallel bus, and/or a wireless digital communications channel such as Bluetooth, infrared, etc. Each of the plurality of power supply modules may broadcast their respective output currents and all of the plurality of power supply modules may determine a total current supplied to a load and thereby determine an appropriate output voltage for proportionally contributing to the total current.

IPC 8 full level

G06F 1/26 (2006.01)

CPC (source: EP KR US)

G06F 1/26 (2013.01 - EP KR); **G06F 1/28** (2013.01 - KR); **H02J 1/14** (2013.01 - EP US); **H02J 13/00016** (2020.01 - EP US); **H02J 13/00026** (2020.01 - EP US)

Citation (search report)

See references of WO 2007050738A2

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