

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 March 2003 (27.03.2003)

PCT

(10) International Publication Number
WO 03/026112 A3

(51) International Patent Classification⁷: **H02M 3/158**

(21) International Application Number: PCT/EP02/10471

(22) International Filing Date:
18 September 2002 (18.09.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
201 15 471.4 19 September 2001 (19.09.2001) DE

(71) Applicant (for all designated States except US): **COOPER CAMERON CORPORATION** [US/US]; 1333 West Loop South, Suite 1700, Houston, TX 77027-9109 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KUNOW, Peter** [DE/DE]; Kapaunenstrasse 14, 12355 Berlin (DE).

BIESTER, Klaus [DE/DE]; Am Maschsee 2, 29342 Wienhausen (DE).

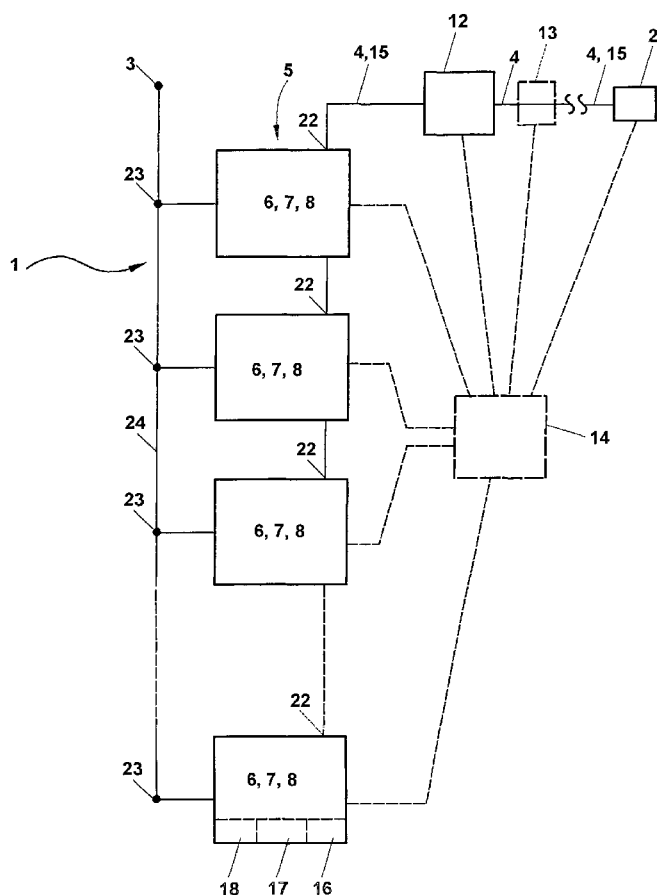
(74) Agent: **GRÜNECKER, KINKELDEY, STOCKMAIR & SCHWANHÄUSSER**; Anwaltssozietät, Maximilianstrasse 58, 80538 München (DE).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK,

[Continued on next page]

(54) Title: UNIVERSAL POWER SUPPLY SYSTEM



(57) Abstract: A universal power supply system is used for at least one electric consumer. The supply system comprises at least one AC source and a cable connection connecting said AC source to said electric consumer. The AC source has associated therewith an AC/DC converter for converting the AC voltage into DC voltage. The DC voltage generated in this way is adapted to be transmitted to the electric consumer via the cable connection. To improve such a universal power supply in such a way that it is possible to provide a high and stable voltage, even in the case of high power requirements in a reliable manner and at a reasonable price, without any additional components for e.g. heat dissipation being necessary, the AC/DC converter comprises a plurality of AC/DC converter components which, on the input side thereof, are connected in parallel with the AC source and which, on the output side thereof are connected serially to the electric consumer.

WO 03/026112 A3



TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:
20 November 2003

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.