(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
4 July 2013 (04.07.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/098814 A3

(51) International Patent Classification:
H02M 3/158 (2006.01)

(21) International Application Number:
PCT/IL2012/050513

(22) International Filing Date:
6 December 2012 (06.12.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
217263 29 December 2011 (29.12.2011) IL

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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

Published:

— *with international search report (Art. 21(3))*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) Date of publication of the international search report:
30 May 2014

(54) Title: A SYSTEM, A METHOD AND A COMPUTER PROGRAM PRODUCT FOR CONTROLLING ELECTRIC POWER SUPPLY

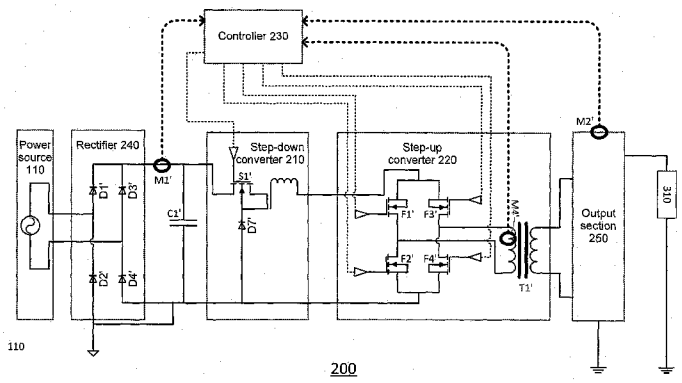


FIG. 5

(57) Abstract: A method for controlling electric power supply, the method comprising: (a) controllably down converting by a step-down power converter entry voltage from a power source and preventing up-conversion by a step-up power converter, substantially when the entry voltage is larger than a measured exit voltage and is in compliance with a first criterion that is based on the entry voltage and on the measured exit voltage; wherein the measured exit voltage is measured at an exit of both step-up power converter and the step-down power converter; and (b) controllably up converting by the step-up power converter the entry voltage and preventing down-conversion by the step-down power converter, substantially when the entry voltage is lower than the measured exit voltage and is in compliance with a second criterion that is based on the entry voltage and on the measured exit voltage.

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INTERNATIONAL SEARCH REPORT

International application No
PCT/IL2012/050513

A. CLASSIFICATION OF SUBJECT MATTER
INV. H02M3/158
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H02M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 2006/284606 A1 (CHEN TIEN-TZU [TW] ET AL) 21 December 2006 (2006-12-21) figures 1-2 figures 3A-3D figure 7A paragraph [0026] - paragraph [0035] paragraph [0045] -----	1-15, 25-31 16-24
X Y	US 6 037 755 A (MAO HENGCHUN [US] ET AL) 14 March 2000 (2000-03-14) figures 1-2 figure 5 column 3, line 39 - column 4, line 13 column 5, line 39 - line 49 column 6, line 19 - line 47 -----	1-15, 25-31 16-24

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Date of the actual completion of the international search	Date of mailing of the international search report
17 March 2014	25/03/2014

Name and mailing address of the ISA/	Authorized officer
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Form PCT/ISA/210 (second sheet) (April 2005)

INTERNATIONAL SEARCH REPORT

International application No
PCT/IL2012/050513

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	figure 2B figure 6 column 4, line 62 - column 5, line 35 column 14, line 56 - column 15, line 5	16-24

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International application No
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