



(51) International Patent Classification:

H02M 5/458 (2006.01) *H05B 37/00* (2006.01)
H02J 4/00 (2006.01)

(21) International Application Number:

PCT/US2013/055402

(22) International Filing Date:

16 August 2013 (16.08.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2012216284	17 August 2012 (17.08.2012)	AU
13/588,262	17 August 2012 (17.08.2012)	US
61/762,785	8 February 2013 (08.02.2013)	US
61/762,723	8 February 2013 (08.02.2013)	US
61/762,762	8 February 2013 (08.02.2013)	US
13/843,401	15 March 2013 (15.03.2013)	US
13/841,944	15 March 2013 (15.03.2013)	US
61/809,080	5 April 2013 (05.04.2013)	US
61/809,732	8 April 2013 (08.04.2013)	US
61/835,438	14 June 2013 (14.06.2013)	US
61/841,079	28 June 2013 (28.06.2013)	US
61/844,784	10 July 2013 (10.07.2013)	US
61/847,473	17 July 2013 (17.07.2013)	US
61/857,373	23 July 2013 (23.07.2013)	US
61/859,445	29 July 2013 (29.07.2013)	US

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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, 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, SA, 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, KM, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*

(54) Title: POWER DEVICE

(57) Abstract: An energy efficient apparatus includes a switching device, a frequency dependent reactive device, and a control element is provided. The switching device is coupled to a source of electrical power and includes a pair of transistors and is adapted to receive a control signal and to produce an alternating current power signal. The frequency of the alternating current power signal is responsive to the control signal. The frequency dependent reactive device is electrically coupled to the pair of transistors for receiving the alternating current power signal and producing an output power signal. The frequency dependent reactive device is chosen to achieve a desired voltage of the output power signal relative to the frequency of the alternating current power signal. The control element senses an actual voltage of the direct current power signal and modifies the control signal delivered to achieve the desired voltage of the direct current power signal.

