

(43) International Publication Date
26 January 2012 (26.01.2012)(10) International Publication Number
WO 2012/012195 A3(51) International Patent Classification:
H05B 33/08 (2006.01)(21) International Application Number:
PCT/US2011/042909(22) International Filing Date:
4 July 2011 (04.07.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/365,356 19 July 2010 (19.07.2010) US
61/482,116 3 May 2011 (03.05.2011) US(71) Applicant (for all designated States except US): **MI-CROSEMI CORPORATION** [US/US]; 11861 Western Ave., Garden Grove, California 92841 (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, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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).

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:
22 March 2012

(54) Title: LED STRING DRIVER ARRANGEMENT WITH NON-DISSIPATIVE CURRENT BALANCER

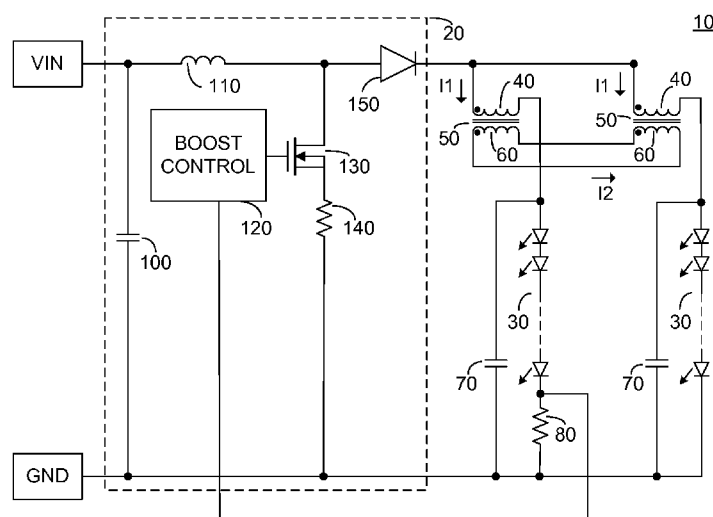


FIG. 1

(57) Abstract: A solid state lighting driver arrangement exhibiting a plurality of LED strings receiving power from a single power source, the single power source providing a discontinuous current, wherein a plurality of first windings are provided, each associated with a particular LED string and coupled to provide current balancing between the various LED strings. The discontinuous current resets the windings during the off time or during a reversal period. In one particular embodiment, a second winding is magnetically coupled to each of the first windings, and the second windings are connected in a closed in-phase loop. In another particular embodiment, at least two of the first windings are magnetically coupled to each other, thus ensuring a balance between current in each LED string.

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2011/042909

A. CLASSIFICATION OF SUBJECT MATTER
INV. H05B33/08
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)
H05B

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 practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 956 288 A1 (SHARP KK [JP]) 13 August 2008 (2008-08-13) figures 1, 5, 7,8,9 -----	1-26
X	US 2008/061716 A1 (KIM PU JIN [KR] ET AL) 13 March 2008 (2008-03-13) figures -----	1-26
X,P	US 2010/194199 A1 (KIMURA KENGO [JP] ET AL) 5 August 2010 (2010-08-05) abstract; figures -----	1,12,23

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Date of the actual completion of the international search

30 January 2012

Date of mailing of the international search report

06/02/2012

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2011/042909

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