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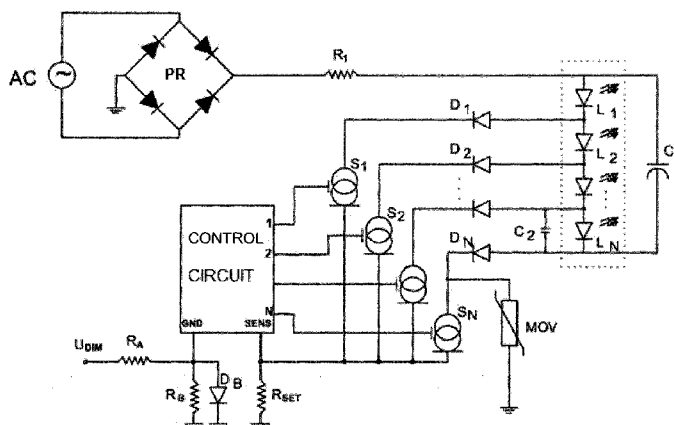
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(54) Title: DIRECT AC LED DRIVER FLICKER INDEX REDUCTION CIRCUIT AND METHOD

Fig. 11 The generalized electric diagram of the circuit according to the invention for
reducing the flicker index, for N segments – variant with thermal stabilization

(57) Abstract: The present invention relates to a method of reducing the flicker index of a constant current direct AC LED driver, comprising the step of flowing a current through the segments (Li, L2,..., LN) of a LED string, when the power grid voltage value is smaller than the voltage drop on the string made of the segments (L-i, L2 LN), the flowing current equaling the discharge current of a capacitor (Ci) set in parallel with the string made of the segments (L-i, L2 LN), one lead of the capacitor (C-i) being connected to the anode of the first LED of the first segment (Li), and the other lead of the capacitor (C-i) being connected to the cathode of the last LED of the last segment (LN). The invention also relates to circuits associated to the above mentioned method.

INTERNATIONAL SEARCH REPORT

International application No
PCT/R02015/000012

A. CLASSIFICATION OF SUBJECT MATTER
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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 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	US 2013/200802 A1 (SAKURAGI HARUMI [JP] ET AL) 8 August 2013 (2013-08-08) paragraphs [0057] - [0114]; figures 1A, 2 -----	1-7
A	EP 2 487 993 A2 (YANG TAI-HER [TW]) 15 August 2012 (2012-08-15) paragraph [0017]; figure 3 -----	1-7
X	US 2013/313984 A1 (MAIWALD HUBERT [DE]) 28 November 2013 (2013-11-28) paragraphs [0059] - [0079]; figure 1 -----	1,3



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See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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