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**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: LED LIGHT OUTPUT LINEARIZATION

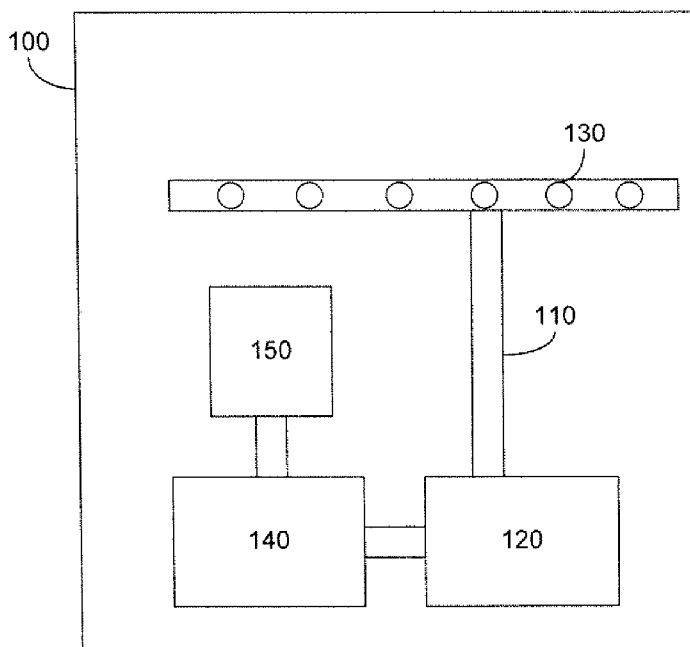


Fig. 1

(57) Abstract: A system and method for producing a flattened characteristic for LED luminous output. The system may include an array containing one or more light emitted diodes (130), a power source (120) connected to the LED (130) array providing drive current to the LED array (130), a timer (150) connected to a controller (140) wherein the timer (150) logs the on-time of the LED array (130) and communicates the LED array (130) on-time to the controller (140), and the controller (140) connected to the power source (120) wherein the controller (140) adjusts the intensity of the drive current provided to the LED array (130) based on the on-time data received from the timer (150) such that the resultant relative luminous output is approximately equal to the initial relative luminous output.

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## INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

INV. H05B33/08

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## B. FIELDS SEARCHED

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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)

EPO-Internal

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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