

Title (en)

METHOD AND ELECTRONIC POWER SUPPLY FOR OPERATING A GAS DISCHARGE LAMP AND A PROJECTOR

Title (de)

VERFAHREN UND ELEKTRONISCHES BETRIEBSGERÄT ZUM BETREIBEN EINER GASENTLADUNGSLAMPE SOWIE PROJEKTOR

Title (fr)

METHODE ET ALIMENTATION ELECTRONIQUE POUR UN LAMPE A DESCARGE ET PROJECTEUR

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2010086222A1] The invention relates to a method for operating a gas discharge lamp having a gas discharge lamp burner and a first and a second electrode, wherein the electrodes have a nominal electrode spacing in the gas discharge lamp burner before the first operation thereof which is correlated with the lamp voltage, comprising the following steps: a) inspecting whether an off time (OT) corresponding to the duration between two direct voltage phases has expired, b) if the off time (OT) has expired, creating direct voltage phases or creating pseudo commutations for a predetermined period of time (VT) dependent on the lamp voltage, in such a way that a period of time of omitting commutations is predetermined for every lamp voltage. The invention likewise relates to an electronic operating device that performs the method according to the invention. The invention further relates to a projector having an electronic operating device, wherein the projector is designed to project an image during performance of the method without the performance of the method being viewable in the image.

IPC 8 full level

H05B 41/292 (2006.01)

CPC (source: EP US)

H05B 41/2928 (2013.01 - EP US)

Citation (examination)

- EP 1309228 A2 20030507 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- WO 2009007914 A1 20090115 - PHILIPS INTELLECTUAL PROPERTY [DE], et al

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