

Title (en)

Switch system and method for operating a gas discharge lamp

Title (de)

Schaltungsanordnung und Verfahren zum Betrieb einer Gasentladungslampe

Title (fr)

Dispositif de commutation et procédé de fonctionnement d'une lampe à décharge

Publication

EP 2421334 A3 20130918 (DE)

Application

EP 11174027 A 20110714

Priority

DE 102010039487 A 20100818

Abstract (en)

[origin: EP2421334A2] The arrangement has a switch connected parallel to a gas discharge lamp, and an inductor serially connected to the switch. An igniter e.g. switchable superimposed-pulse igniter, is controlled by a control device i.e. microcontroller, and utilizes a capacitor as a takeover capacitor in an upstream direct current (DC) supply unit. A detection unit detects zero-crossing voltage, and is connected with a comparator input and an input/output (I/O) output of the control unit. A reference part is attached to a negative input of a differential analog-to-digital (A/D) converter at the control unit.

IPC 8 full level

H05B 41/231 (2006.01); **H05B 41/04** (2006.01); **H05B 41/18** (2006.01); **H05B 41/392** (2006.01)

CPC (source: EP)

H05B 41/042 (2013.01); **H05B 41/18** (2013.01); **H05B 41/231** (2013.01); **H05B 41/3921** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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