

Title (en)

CIRCUIT ARRANGEMENT AND METHOD FOR OPERATING A HIGH-PRESSURE DISCHARGE LAMP

Title (de)

SCHALTUNGSANORDNUNG UND VERFAHREN ZUM BETREIBEN EINER HOCHDRUCKENTLADUNGSLAMPE

Title (fr)

ENSEMBLE CIRCUIT ET PROCÉDÉ POUR FAIRE FONCTIONNER UNE LAMPE À DÉCHARGE HAUTE PRESSION

Publication

EP 1994805 B1 20091230 (DE)

Application

EP 07712190 A 20070208

Priority

- EP 2007051230 W 20070208
- DE 102006007754 A 20060220

Abstract (en)

[origin: DE102006007754A1] The arrangement has a voltage measuring device (10) measuring an instantaneous value of voltage by a high pressure discharge lamp (LA). A reference value device (12) provides an upper threshold for the voltage. A comparison device (14) compares the value with the threshold. The comparison device is designed such that the value lies below the threshold to control a control device (16) such that a predetermined duty cycle of signals is increased for a preset time period. A switch (S1) of a half bridge circuit is controlled during in-phase of another switch (S2) with the duty cycle. An independent claim is also included for an operating method for a high pressure discharge lamp in a circuit arrangement.

IPC 8 full level

H05B 41/288 (2006.01)

CPC (source: EP US)

H05B 41/2883 (2013.01 - EP US); **H05B 41/2928** (2013.01 - EP US); **Y10S 315/07** (2013.01 - EP US)

Cited by

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DOCDB simple family (publication)

US 2009295302 A1 20091203; US 8089220 B2 20120103; AT E454027 T1 20100115; CA 2642576 A1 20070830; CN 101385399 A 20090311; CN 101385399 B 20130313; DE 102006007754 A1 20070823; DE 502007002487 D1 20100211; EP 1994805 A1 20081126; EP 1994805 B1 20091230; WO 2007096253 A1 20070830

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US 22391807 A 20070208; AT 07712190 T 20070208; CA 2642576 A 20070208; CN 200780005946 A 20070208; DE 102006007754 A 20060220; DE 502007002487 T 20070208; EP 07712190 A 20070208; EP 2007051230 W 20070208