

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 A1 20081126 (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

EP2498584A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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

DOCDB simple family (application)

**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