

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: US2009295302A1] A circuit arrangement for operating a high pressure discharge lamp includes a bridge circuit with at least two switches, a control device controlling the switches. The bridge circuit is a half-bridge circuit having exactly two switches. The control device switches on and off in an alternating manner, the first switch and the second switch of the bridge circuit having a first frequency. When the first switch is switched off for controlling the other switch with a rectangular signal of a second frequency which is greater than the first frequency and a predeterminable connection duration. The circuit also includes a tension measuring device measuring an actual value of tension over the high pressure discharge lamp. A reference device provides at least one upper threshold value for the voltage via the high pressure discharge lamp. A comparison device compares the actual voltage over the high pressure discharge lamp with the threshold value.

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)

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