

Title (en)

DEVICE FOR DETECTING THE RECTIFICATION EFFECT OCCURRING IN A GAS DISCHARGE LAMP

Title (de)

VORRICHTUNG ZUM ERFASSEN DES IN EINER GASENTLADUNGSLAMPE AUFTRETENDEN GLEICHRICHTEFFEKTS

Title (fr)

DISPOSITIF DE DETECTION DE L'EFFET DE REDRESSEMENT DANS UNE LAMPE A DECHARGE

Publication

**EP 0965249 B1 20010502 (DE)**

Application

**EP 98912300 A 19980212**

Priority

- DE 19708792 A 19970304
- EP 9800791 W 19980212

Abstract (en)

[origin: US6140771A] Method for detecting the rectification effect in at least one gas discharge lamp (10) and electronic ballast for operating at least one gas discharge lamp, which recognises the appearance of the rectification effect in the gas discharge lamp (10). In order to be able to detect the appearance of the rectification effect in the gas discharge lamp (10) simply and with high sensitivity there is monitored the current (i1) flowing via a primary winding (7A), connected parallel to the gas discharge lamp (10), of a heating transformer (7A-C) or a parameter (i2, u3) dependent upon this current (i1) , and in the event that a predetermined limit value is overshoot the presence of the rectification effect in the gas discharge lamp (10) is determined.

IPC 1-7

**H05B 41/298**

IPC 8 full level

**H05B 41/298** (2006.01)

CPC (source: EP US)

**H05B 41/2985** (2013.01 - EP US); **Y10S 315/07** (2013.01 - EP US)

Designated contracting state (EPC)

AT CH DE ES FI FR GB IT LI NL SE

DOCDB simple family (publication)

**US 6140771 A 20001031**; AT E200950 T1 20010515; AU 6719598 A 19980922; AU 721988 B2 20000720; BR 9808165 A 20000516; BR 9808165 B1 20120222; DE 19708792 A1 19980910; DE 59800669 D1 20010607; EP 0965249 A1 19991222; EP 0965249 B1 20010502; WO 9839948 A1 19980911

DOCDB simple family (application)

**US 38783799 A 19990901**; AT 98912300 T 19980212; AU 6719598 A 19980212; BR 9808165 A 19980212; DE 19708792 A 19970304; DE 59800669 T 19980212; EP 9800791 W 19980212; EP 98912300 A 19980212