

Title (en)

Lighting system and method for testing whether at least two gas discharge lamps to be operated with a ballast are of the same type

Title (de)

Beleuchtungssystem und Verfahren zum Prüfen, ob mindestens zwei mit einem EVG zu betreibende Gasentladungslampen vom gleichen Typ sind

Title (fr)

Système d'éclairage et procédé destiné à déterminer si au moins deux lampes à décharge devant fonctionner à l'aide d'un ballast sont du même type

Publication

EP 2355626 A3 20140205 (DE)

Application

EP 11164424 A 20090303

Priority

- EP 09719813 A 20090303
- DE 102008012453 A 20080304

Abstract (en)

[origin: EP2355626A2] The method involves directly or indirectly measuring a coil voltage and a coil current of heating coils (W1b, W2b) of gas-discharge lamps (L1, L2) at a time period. Coil resistances of the heating coils are measured from the measured values of the coil voltage and the coil current of the heating coils of the gas-discharge lamps. An absolute differential resistance from the coil resistances is smaller than a high reference value. The gas-discharge lamps are determined as not same-type, when the absolute differential resistance lies between the high reference value and a low reference value. Independent claims are also included for the following: (1) a circuit e.g. integrated circuit, for implementing a method for testing whether two gas-discharge lamps are of same-type (2) an electronic ballast comprising a unit for generating a constant coil voltage.

IPC 8 full level

H05B 41/295 (2006.01); **H05B 37/02** (2006.01)

CPC (source: AT EP)

H05B 41/295 (2013.01 - AT EP)

Citation (search report)

- [X] DE 102005046482 A1 20070329 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
- [A] US 2006132044 A1 20060622 - TAKAHASHI YUUJI [JP], et al
- [A] EP 0889675 A1 19990107 - MAGNETEK SPA [IT]
- [A] US 2005156534 A1 20050721 - OH IN-HWAN [US]

Designated contracting state (EPC)

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DOCDB simple family (publication)

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