

Title (en)

Apparatus for operating discharge lamp.

Title (de)

Vorrichtung für den Betrieb einer Entladungslampe.

Title (fr)

Appareil pour le fonctionnement d'une lampe à décharge.

Publication

EP 0477922 A1 19920401 (EN)

Application

EP 91116369 A 19910925

Priority

JP 25454290 A 19900925

Abstract (en)

An apparatus for operating a discharge lamp variably permits a stable power supply circuit (10) to set the lamp current of a discharge lamp (40) in two or greater levels. A temperature detector (30) detects the temperature of the discharge lamp (40). When the lamp current set by the stable power supply circuit (10) is equal to or below a predetermined value and the temperature is equal to or below a predetermined level, the lower limit of the lamp current is increased. Accordingly, the discharge lamp (40) is lit through an inverter circuit (20) with the raised voltage so as to prevent lighting failure from occurring in the discharge lamp (40) due to a low lamp current at a low temperature. <IMAGE>

IPC 1-7

H05B 41/36

IPC 8 full level

H05B 41/24 (2006.01); **H05B 41/16** (2006.01); **H05B 41/282** (2006.01); **H05B 41/36** (2006.01); **H05B 41/392** (2006.01)

CPC (source: EP KR)

H05B 41/24 (2013.01 - KR); **H05B 41/36** (2013.01 - EP); **H05B 41/392** (2013.01 - KR); **H05B 41/3927** (2013.01 - EP)

Citation (search report)

- [A] EP 0164774 A1 19851218 - PHILIPS PATENTVERWALTUNG [DE], et al
- [A] GB 2090082 A 19820630 - GEN ELECTRIC
- [A] EP 0349707 A1 19900110 - WIDE LITE INTERNATIONAL CORP [US]

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