

Title (en)

Device and method for operating discharge lamps

Title (de)

Betriebsgerät und Verfahren zum Betreiben von Gasentladungslampen

Title (fr)

Appareil et méthode pour commander des lampes à décharge

Publication

**EP 1670294 A2 20060614 (DE)**

Application

**EP 05025754 A 20051125**

Priority

DE 102004058921 A 20041207

Abstract (en)

A setting unit limits current of high pressure gas discharge lamp. A lamp state detector evaluates running voltage of high pressure gas discharge lamp or its proportional value at start and end of time window, to derive a state variable which is suitable for distinguishing between cold and hot discharge lamps. A controller inputs limit current value to setting unit as function of the state variable. An independent claim is also included for a method for controlling start-up of high-pressure discharge lamps.

IPC 8 full level

**H05B 41/38** (2006.01); **H05B 41/288** (2006.01)

CPC (source: EP KR US)

**H05B 41/14** (2013.01 - KR); **H05B 41/386** (2013.01 - EP US)

Citation (applicant)

- US 5083065 A 19920121 - SAKATA MASAO [JP], et al
- WO 9535645 A1 19951228 - PHILIPS ELECTRONICS NV [NL], et al

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)

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DOCDB simple family (application)

**EP 05025754 A 20051125**; AT 05025754 T 20051125; CA 2529264 A 20051206; CN 200510138047 A 20051207; DE 102004058921 A 20041207; DE 502005003295 T 20051125; JP 2005353999 A 20051207; KR 20050117910 A 20051206; TW 94142216 A 20051201; US 29043105 A 20051201