

Title (en)

A METHOD AND AN ARRANGEMENT FOR CONTROLLING GAS DISCHARGE LAMPS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR STEUERUNG VON GASENTLADUNGSLAMPEN

Title (fr)

PROCEDE ET DISPOSITIF DE REGULATION DE LAMPES A DECHARGE GAZEUSE

Publication

**EP 0852106 A1 19980708 (EN)**

Application

**EP 96931343 A 19960916**

Priority

- SE 9601149 W 19960916
- SE 9503252 A 19950919

Abstract (en)

[origin: WO9711583A1] A method for controlling a drive unit for gas discharge lamps where applied power consists of a DC voltage applied to a converter stage which is adapted to convert the DC voltage to an AC voltage suitable for the lamp, wherein the AC voltage is applied to a lamp circuit that includes a lamp (2) and an inductance (3) connected in series with the lamp, and wherein there is provided a lamp ignition circuit (4). The invention is characterized in that there is connected in a current branch of the drive unit (1) common to both the AC voltage side and the DC voltage side a current measuring sensor (5) whose output signal is used to generate a first control signal (13) corresponding to the power supplied to the lamp circuit, and a second control signal (14) corresponding to the peak current of the lamp circuit or, alternatively, corresponding to the reactive power present in the lamp circuit; and in that a third control signal (17) which constitutes the dominant signal of the first (13) and the second (14) control signal or, alternatively, a function thereof, is caused to control the current supply to the lamp in a feedback system.

IPC 1-7

**H05B 41/36**

IPC 8 full level

**H05B 41/285** (2006.01); **H05B 41/392** (2006.01)

CPC (source: EP)

**H05B 41/2855** (2013.01); **H05B 41/2856** (2013.01); **H05B 41/392** (2013.01)

Citation (search report)

See references of WO 9711583A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB IT LI NL

DOCDB simple family (publication)

**WO 9711583 A1 19970327**; AT E213383 T1 20020215; DE 69619252 D1 20020321; DE 69619252 T2 20021121; EP 0852106 A1 19980708; EP 0852106 B1 20020213; SE 515566 C2 20010827; SE 9503252 D0 19950919; SE 9503252 L 19970320

DOCDB simple family (application)

**SE 9601149 W 19960916**; AT 96931343 T 19960916; DE 69619252 T 19960916; EP 96931343 A 19960916; SE 9503252 A 19950919