

Title (en)

ELECTRONIC BALLAST DEVICE AND METHOD FOR OPERATING AN ELECTRIC LAMP

Title (de)

ELEKTRONISCHES VORSCHALTGERÄT UND VERFAHREN ZUM BETREIBEN EINER ELEKTRISCHEN LAMPE

Title (fr)

BALLASTE ELECTRONIQUE ET PROCEDE POUR FAIRE FONCTIONNER UNE LAMPE ELECTRIQUE

Publication

**EP 1938670 B1 20110810 (DE)**

Application

**EP 06807224 A 20061012**

Priority

- EP 2006067359 W 20061012
- DE 102005049583 A 20051017

Abstract (en)

[origin: US7863830B2] The invention relates to an electronic ballast device for operating an electric lamp (2), comprising a first (21) and a second lamp filament (22), wherein the lamp filaments (21, 22) are electrically connected to a heating circuit (3) during a pre-warming phase for the electric lamp (2) said heating circuit (3) being of such a form that the heating current generated by the heating circuit (3) during an operational phase of the electric lamp (2) amounts to between 20% and 60% of the lamp current of said electric lamp (2). The invention further relates to a method for operation of an electric lamp with an electronic ballast device.

IPC 8 full level

**H05B 41/295** (2006.01)

CPC (source: EP KR US)

**H05B 41/295** (2013.01 - EP KR US)

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)

**US 2009267518 A1 20091029; US 7863830 B2 20110104;** AT E520287 T1 20110815; CA 2625335 A1 20070426; CN 101288346 A 20081015; CN 101288346 B 20120627; DE 102005049583 A1 20070419; EP 1938670 A1 20080702; EP 1938670 B1 20110810; EP 1938670 B8 20120208; KR 101313130 B1 20130930; KR 20080067350 A 20080718; WO 2007045604 A1 20070426

DOCDB simple family (application)

**US 8357406 A 20061012;** AT 06807224 T 20061012; CA 2625335 A 20061012; CN 200680038409 A 20061012; DE 102005049583 A 20051017; EP 06807224 A 20061012; EP 2006067359 W 20061012; KR 20087011758 A 20061012