

Title (en)

BALLAST DEVICE FOR FLUORESCENT TUBES COMPRISING AN INTEGRATED COOLING POINT

Title (de)

BETRIEBSGERÄT FÜR LEUCHTSTOFFRÖHREN MIT EINGEBAUTER KÜHLSTELLE

Title (fr)

EQUIPEMENT POUR TUBES FLUORESCENTS AVEC DISSIPATEUR INCORPORE

Publication

EP 1400156 B1 20081231 (DE)

Application

EP 01274324 A 20011102

Priority

- DE 0104138 W 20011102
- DE 10129755 A 20010620

Abstract (en)

[origin: WO03001856A1] The invention relates to a ballast device for lamps, comprising an integrated cooling point, whose mercury vapour pressure can be regulated by the heating of said cooling point. According to the invention, the temperature of the cooling point or a temperature in the vicinity of the cooling point is measured by means of a temperature sensor (15) and the heating output of the coils is regulated in such a way that the temperature of the lamp remains within an optimal range.

IPC 8 full level

H01J 1/00 (2006.01); **H05B 41/24** (2006.01); **H01J 61/52** (2006.01); **H05B 41/392** (2006.01); **H05B 41/36** (2006.01)

CPC (source: EP)

H05B 41/36 (2013.01); **H05B 41/3927** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 03001856 A1 20030103; AT E419734 T1 20090115; CA 2451590 A1 20030103; CZ 20033517 A3 20040512; DE 10129755 A1 20030102; DE 20122035 U1 20040513; DE 50114631 D1 20090212; EP 1400156 A1 20040324; EP 1400156 B1 20081231; ES 2320092 T3 20090519; HU P0401456 A2 20041028; JP 2004531040 A 20041007; PL 204319 B1 20091231; PL 374148 A1 20051003; RU 2004101293 A 20050620; SK 15962003 A3 20041005; TR 200302237 T1 20041221

DOCDB simple family (application)

DE 0104138 W 20011102; AT 01274324 T 20011102; CA 2451590 A 20011102; CZ 20033517 A 20011102; DE 10129755 A 20010620; DE 20122035 U 20011102; DE 50114631 T 20011102; EP 01274324 A 20011102; ES 01274324 T 20011102; HU P0401456 A 20011102; JP 2003508111 A 20011102; PL 37414801 A 20011102; RU 2004101293 A 20011102; SK 15962003 A 20011102; TR 200302237 T 20011102