

Title (en)

Device for operating discharge lamps

Title (de)

Vorrichtung zum Betreiben von Entladungslampen

Title (fr)

Dispositif pour alimenter des lampes à décharge

Publication

EP 1377136 A3 20070606 (DE)

Application

EP 03012921 A 20030606

Priority

DE 10226899 A 20020617

Abstract (en)

[origin: EP1377136A2] The apparatus has two contact devices (13,14,13a, 14a) for connecting respective discharge lamps, each with two incandescent filaments. Two current control devices connected in parallel with respective contact devices control the current through respective incandescent filaments. The contact devices are connected in series and a sequential starting capacitor is connected in parallel with one of the contact devices. An Independent claim is also included for electronic ballast.

IPC 8 full level

H05B 41/18 (2006.01); **H05B 41/295** (2006.01); **H05B 41/04** (2006.01); **H05B 41/298** (2006.01)

CPC (source: EP KR US)

H05B 41/04 (2013.01 - EP US); **H05B 41/18** (2013.01 - KR); **H05B 41/295** (2013.01 - EP US); **H05B 41/2988** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

EP 1377136 A2 20040102; **EP 1377136 A3 20070606**; CA 2432450 A1 20031217; CN 1471345 A 20040128; DE 10226899 A1 20031224; KR 20040002580 A 20040107; TW 200403010 A 20040216; US 2003230989 A1 20031218; US 6873122 B2 20050329

DOCDB simple family (application)

EP 03012921 A 20030606; CA 2432450 A 20030616; CN 03142964 A 20030617; DE 10226899 A 20020617; KR 20030038736 A 20030616; TW 92115961 A 20030612; US 46284303 A 20030617