

Title (en)
Electronic ballast unit for fluorescent lamps

Title (de)
Elektronisches Vorschaltgerät für fluoreszierende Lampen

Title (fr)
Ballast électronique pour lampes fluorescentes

Publication
EP 1841294 A3 20110525 (DE)

Application
EP 07103960 A 20070312

Priority
JP 2006084611 A 20060327

Abstract (en)
[origin: EP1841294A2] The unit has output circuit, which is a working circuit between the preheating condition, generates the electrical voltage for preheating of the filament. The resistance R_{cof} of the filament before preheating and from this resistance R_h , computed during the starting of the fluorescent lamp from the electric circuit for recognizing the condition of the electrode and the ratio of the resistances of the negative pole R_{hby} R_{cis} is calculated. The ratio R_{hby} / R_{cof} controls the time point of the changeover of the output switch from the condition of the preheating in the spark condition. The spark condition, generates required higher electrical voltage for the preheating and is switched to and fro.

IPC 8 full level
H05B 41/295 (2006.01)

CPC (source: EP)
H05B 41/295 (2013.01)

Citation (search report)

- [X] DE 202005013754 U1 20051117 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
- [A] EP 0594880 A1 19940504 - KNOBEL LICHTTECH [CH]

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
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EP 07103960 A 20070312; CN 200710105315 A 20070327; JP 2006084611 A 20060327