

Title (en)

Preheat cycle control circuit for a fluorescent lamp

Title (de)

Vorwärmzyklussteuerkreis für eine Leuchtstofflampe

Title (fr)

Circuit de contrôle de cycle de préchauffage pour lampe fluorescente

Publication

EP 2285192 A1 20110216 (EN)

Application

EP 09165323 A 20090713

Priority

EP 09165323 A 20090713

Abstract (en)

A preheat cycle control circuit and method for a fluorescent lamp drive circuit is presented, the fluorescent lamp drive circuit having a low-side switching element and high-side switching element connected in series, a controller adapted to switch the switching elements on and off alternately at a frequency of operation, and a sweep capacitance adapted to control the frequency of operation of the controller. The preheat cycle control circuit comprises an integrator circuit adapted to regulate a current through the low-side switching element; and a switch operable to connect the integrator circuit to the controller in a first configuration and to connect the sweep capacitor to the controller in a second configuration.

IPC 8 full level

H05B 41/298 (2006.01)

CPC (source: EP)

H05B 41/295 (2013.01)

Citation (search report)

- [XY] US 6002214 A 19991214 - RIBARICH THOMAS J [US]
- [XY] WO 9804103 A1 19980129 - MOTOROLA INC [US]
- [Y] WO 2004071136 A1 20040819 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [Y] EP 1022932 A1 20000726 - MITSUBISHI ELECTRIC CORP [JP], et al
- [Y] WO 9742794 A1 19971113 - PHILIPS ELECTRONICS NV [NL], et al
- [A] WO 2004079471 A2 20040916 - INT RECTIFIER CORP [US], et al
- [A] WO 2004008814 A1 20040122 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [A] US 2005168165 A1 20050804 - YU QINGHONG [US], et al
- [A] WO 2004086463 A2 20041007 - INT RECTIFIER CORP [US], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2285192 A1 20110216

DOCDB simple family (application)

EP 09165323 A 20090713