

Title (en)

Fluorescent lamp ballast combined with electronic starter and resonant capacitor for reducing input current

Title (de)

Vorschaltgerät für eine Leuchtstofflampe, mit elektronischer Startschaltung und Resonanzkondensator zum Senken des Eingangstroms

Title (fr)

Ballast pour lampe fluorescente, avec starter électronique et condensateur de résonance pour réduire le courant d'entrée

Publication

**EP 1047285 A2 20001025 (EN)**

Application

**EP 00870081 A 20000421**

Priority

PH 11999000897 A 19990421

Abstract (en)

1. An electronic power supply circuit provided for supplying electric power to a fluorescent lamp having a first (F1) and a second (F2) filament, said circuit comprising a ballast having a first and a second coil, said first coil being connected between a first power input pole of said circuit and a first distribution line connecting said first coil to a first connection point for said first filament said ballast comprises a second coil having a first coil pole connected to said first distribution line and wherein a series connection of a capacitor and a bi-directional AC switch is connected between a second coil pole of said second coil and a second distribution line connecting a second power input pole of said circuit to a second connection point for said second connection filament. <IMAGE>

A power supply circuit has two filaments (F1,F2). A ballast has two coils (L1,L2), the first connected between one power input pole (A1) and a distribution line (DL1) connecting the coil to the first filament. One coil pole of the second coil is connected to the distribution line. A series connected capacitor and bi-directional AC switch are connected between the second coil pole of the second coil and a second distribution line (DL2) connecting it to the second filament.

IPC 1-7

**H05B 41/04**; **H05B 41/18**

IPC 8 full level

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

CPC (source: EP)

**H05B 41/046** (2013.01); **H05B 41/18** (2013.01)

Cited by

ITRM20100028A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1047285 A2 20001025**; **EP 1047285 A3 20030102**; CA 2300351 A1 20001021; CN 2420813 Y 20010221; SG 85170 A1 20011219; TW 469755 B 20011221

DOCDB simple family (application)

**EP 00870081 A 20000421**; CA 2300351 A 20000310; CN 00209605 U 20000420; SG 200002175 A 20000415; TW 89114021 A 20000714