

Title (en)

Auxiliary device for regulating the intensity of low voltage fluorescent lamps.

Title (de)

Hilfseinrichtung zum Regulieren der Helligkeit von Niederspannungs-Leuchtstofflampen.

Title (fr)

Dispositif auxiliaire pour régulariser la luminosité de lampes fluorescentes à basse tension.

Publication

EP 0143900 A1 19850612 (DE)

Application

EP 84110014 A 19840822

Priority

DE 3331996 A 19830905

Abstract (en)

1. Auxiliary device for regulating the brightness of low voltage fluorescent lamps (1), which device comprises a series reactance (2) and also a phase controlling dimmer (3), with an electronic valve (5), which has a line-side terminal connection (6) for the series reactance (2) and a lamp-side terminal connection (14), and also with further line-side terminal connections (9, 66), which are independent of the electronic valve (5), for the mid-point conductor or the outer conductor and with a further lamp-side terminal connection (10), characterised in that connected between the line-side terminal connection (9) for the mid-point conductor and the lamp-side terminal connection (14) of the electronic control valve (5) there is a high voltage coil (13) which is coupled with the iron core (15) of an inductive rapid-start device (12) and in that a line-side terminal connection (8) for the dimmer (3) is run to the control electrode (7) of the electronic valve (5) and in that the further lamp-side terminal connection (10) is connected with the output of the rapid-start device.

Abstract (de)

Hilfseinrichtung zum Regulieren der Helligkeit von Niederspannungs-Leuchtstofflampen (1) mit Vorschaltdrossel (2) durch phasenanschnittkontrollierende Dimmer (3). Erfindungsgemäß ist vorgesehen ein elektronisches Ventil (5) mit einem netzseitigen Anschluß (6) für die Vorschaltdrossel (2) und einem zur Steuerelektrode (7) des elektronischen Ventils (5) geführten netzseitigen Anschluß (8) für den Dimmer (3), einen lampenseitigen Anschluß (14) sowie weiteren, vom elektronischen Ventil (5) unabhängigen netzseitigen Anschlüssen (66) für den Mittelpunktleiter bzw. den Außenleiter und einem hierfür weiteren lampenseitigen Anschluß (10).

IPC 1-7

H05B 41/392

IPC 8 full level

H05B 41/392 (2006.01)

CPC (source: EP)

H05B 41/3924 (2013.01)

Citation (search report)

- DE 2508923 A1 19760909 - BBC BROWN BOVERI & CIE
- US 4163925 A 19790807 - GYURSANSZKY ZOLTAN L [CA]
- US 3935505 A 19760127 - SPITERI JOSEPH
- GB 2079551 A 19820120 - HOME AUTOMATION LTD
- GB 2028027 A 19800227 - EVERS P H

Cited by

WO9014746A1

Designated contracting state (EPC)

AT CH DE FR IT LI SE

DOCDB simple family (publication)

EP 0143900 A1 19850612; EP 0143900 B1 19890315; AT E41583 T1 19890415; DE 3331996 A1 19850321; DE 3477339 D1 19890420; DK 96884 A 19850306; DK 96884 D0 19840224; NO 842314 L 19850306

DOCDB simple family (application)

EP 84110014 A 19840822; AT 84110014 T 19840822; DE 3331996 A 19830905; DE 3477339 T 19840822; DK 96884 A 19840224; NO 842314 A 19840608