

Title (en)

CIRCUIT ARRANGEMENT FOR ENERGY-SAVING OPERATION OF A FLUORESCENT TUBE

Title (de)

SCHALTUNGSANORDNUNG ZUM ENERGIESPARENDEN BETREIBEN EINER LEUCHTSTOFFRÖHRE

Title (fr)

CONFIGURATION DE CIRCUIT DESTINEE AU FONCTIONNEMENT A FAIBLE CONSOMMATION D'ENERGIE D'UN TUBE FLUORESCENT

Publication

EP 1095541 B1 20020717 (DE)

Application

EP 99948909 A 19990930

Priority

- DE 29817509 U 19981001
- DE 19845131 A 19981001
- DE 19853138 A 19981118
- EP 9907256 W 19990930

Abstract (en)

[origin: WO0021342A1] The invention relates to a circuit arrangement for energy-saving operation of a fluorescent tube (1) whereby two respective connections (2a, 2b; 3a, 3b) are arranged on the end caps (1a, 1b) of said tube. The fluorescent tube is mechanically and electrically linked to brackets (8, 9) via said connections (2a, 2b; 3a, 3b) and can be connected to an alternating current supply (6) via a reactance coil (4) and a starter (5). The objective of the invention is to allow the fluorescent tube to be retrofitted in a simple manner. This is achieved by means of a quadrupole (4) circuit arrangement, whereby the input terminals (7a, 7b) of said quadrupole form a series connection with the two connections (2a, 2b; 3a, 3b) on one end cap (1a, 1b) and the reactance coil (4), whereby said circuit is connected in parallel to the alternating current source (6), and the output terminals (7c, 7d) of said quadrupole are electrically connected to the two connections (3a, 3b, 2a, 2b) on the other end cap (1b, 1a).

IPC 1-7

H05B 41/295

IPC 8 full level

H05B 41/23 (2006.01); **H05B 41/18** (2006.01); **H05B 41/295** (2006.01)

CPC (source: EP KR US)

H05B 41/14 (2013.01 - KR); **H05B 41/295** (2013.01 - EP US); **Y10S 315/05** (2013.01 - EP US)

Cited by

EP1843647A1; EP2464201A1; EP1841293A1; WO2012076643A1

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)

WO 0021342 A1 20000413; AT E220850 T1 20020815; AU 6198699 A 20000426; AU 760871 B2 20030522; BR 9912901 A 20010508; CA 2338636 A1 20000413; CA 2338636 C 20040810; CN 1192689 C 20050309; CN 1313022 A 20010912; DE 59902054 D1 20020822; DK 1095541 T3 20021014; EP 1095541 A1 20010502; EP 1095541 B1 20020717; ES 2179679 T3 20030116; GB 0101932 D0 20010307; GB 2358972 A 20010808; HK 1040345 A1 20020531; HU 222698 B1 20030929; HU P0103514 A2 20020228; HU P0103514 A3 20020328; ID 29199 A 20010809; IL 141306 A0 20020310; IL 141306 A 20040831; JP 2002527867 A 20020827; JP 3999462 B2 20071031; KR 100621140 B1 20060913; KR 20010079629 A 20010822; MX PA01001499 A 20020507; NZ 509694 A 20021126; PL 189681 B1 20050930; PL 346052 A1 20020114; PT 1095541 E 20021231; TR 200100424 T2 20010521; US 6518715 B1 20030211

DOCDB simple family (application)

EP 9907256 W 19990930; AT 99948909 T 19990930; AU 6198699 A 19990930; BR 9912901 A 19990930; CA 2338636 A 19990930; CN 99809533 A 19990930; DE 59902054 T 19990930; DK 99948909 T 19990930; EP 99948909 A 19990930; ES 99948909 T 19990930; GB 0101932 A 19990930; HK 01108949 A 20011220; HU P0103514 A 19990930; ID 20010304 A 19990930; IL 14130601 A 20010207; IL 14130699 A 19990930; JP 2000575345 A 19990930; KR 20017001704 A 20010209; MX PA01001499 A 19990930; NZ 50969499 A 19990930; PL 34605299 A 19990930; PT 99948909 T 19990930; TR 200100424 T 19990930; US 76269501 A 20010209