

Title (en)

SUPPLY CIRCUIT FOR A FLUORESCENT TUBE INSTALLATION

Title (de)

VERSORGUNGSSCHALTUNG FÜR EINE LEUCHTRÖHRENANLAGE

Title (fr)

CIRCUIT D'ALIMENTATION POUR UNE INSTALLATION A TUBES FLUORESCENTS

Publication

**EP 1020100 B1 20030108 (DE)**

Application

**EP 98946202 A 19981009**

Priority

- CH 9800432 W 19981009
- CH 237897 A 19971010

Abstract (en)

[origin: WO9920084A1] The invention relates to a supply circuit with a high-voltage transformer (T) which is connected, input-end, to a supply voltage with a frequency of several hundred Hz, and which is formed without an air gap. To replace the air gap in the transformer (T), an electronic control (EST) is nonetheless used in the supply circuit, which imitates the current-limiting function of an air gap. The frequency of the supply voltage is between 300 and 800 Hz, preferably 400Hz. As these frequencies are higher than the usual network frequency of 50/60 Hz, the size and weight of the transformer (T) can be considerably reduced.

IPC 1-7

**H05B 41/392**

IPC 8 full level

**H05B 41/24** (2006.01); **H05B 41/16** (2006.01); **H05B 41/288** (2006.01); **H05B 41/392** (2006.01)

CPC (source: EP US)

**H05B 41/2881** (2013.01 - EP US); **H05B 41/3927** (2013.01 - EP US); **Y10S 315/07** (2013.01 - EP US)

Cited by

DE102016010995A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**WO 9920084 A1 19990422**; CH 692375 A5 20020515; DE 59806882 D1 20030213; EP 1020100 A1 20000719; EP 1020100 B1 20030108; ES 2189243 T3 20030701; JP 2001520451 A 20011030; US 6236169 B1 20010522

DOCDB simple family (application)

**CH 9800432 W 19981009**; CH 237897 A 19971010; DE 59806882 T 19981009; EP 98946202 A 19981009; ES 98946202 T 19981009; JP 2000516510 A 19981009; US 52905800 A 20000705