

Title (en)

Lighting circuit for electric discharge lamp.

Title (de)

Zündschaltung für eine elektrische Entladungslampe.

Title (fr)

Circuit d'allumage pour lampe à décharge électrique.

Publication

EP 0119584 A1 19840926 (EN)

Application

EP 84102738 A 19840313

Priority

- JP 226984 A 19840110
- JP 227084 A 19840110
- JP 227184 A 19840110
- JP 227284 A 19840110
- JP 4180683 A 19830314
- JP 6634983 A 19830415
- JP 11785283 A 19830629
- JP 14930283 A 19830816

Abstract (en)

A lighting circuit for an electric discharge lamp according to the present invention is constructed in such a way that a switching device is provided at an output terminal of a high frequency inverter which produces a substantially sinusoidal output voltage, and that, by controlling this switching device, an output to the low pressure electric discharge lamp is stopped at the rising part of the abovementioned output voltage in its half cycle, while the output is supplied to the low pressure electric discharge lamp at the voltage level in the vicinity of the maximum instantaneous value thereof. By use of the high frequency inverter of a smaller capacity and less radio noise than those in the conventional device, the operating efficiency of the low pressure electric discharge lamp can be increased.

IPC 1-7

H05B 41/29

IPC 8 full level

H05B 41/282 (2006.01); **H05B 41/392** (2006.01)

CPC (source: EP)

H05B 41/282 (2013.01); **H05B 41/392** (2013.01)

Citation (search report)

- [A] US 4087722 A 19780502 - HANCOCK BRUCE J
- [A] GB 2073510 A 19811014 - LUTRON ELECTRONICS CO

Cited by

EP0901315A4; WO0033618A3

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 0119584 A1 19840926; **EP 0119584 B1 19890118**; DE 3476315 D1 19890223

DOCDB simple family (application)

EP 84102738 A 19840313; DE 3476315 T 19840313