

Title (en)

High frequency operating circuit with improved electromagnetic compatibility for low pressure discharge lamps

Title (de)

Hochfrequenzbetriebsschaltung für eine Niederdruckentladungslampe mit verbesserter elektromagnetischer Verträglichkeit

Title (fr)

Alimentation à haute fréquence pour une lampe à décharge basse pression avec une compatibilité électromagnétique accrue

Publication

EP 0808085 A3 19981118 (DE)

Application

EP 97107207 A 19970430

Priority

DE 19619581 A 19960515

Abstract (en)

[origin: EP0808085A2] The operating circuit has a DC source coupled to a push-pull generator with a centre tap connected to one lamp electrode and 2 outer terminals, one of which is connected to the other lamp electrode. A smoothing filter (C4) is connected between the outer terminals, with an active wave filter having at least one capacitive pumping path with a pumping capacitor (C1,C2) for energy feedback to the smoothing capacitor. A trapeze capacitor (CT1,CT2) is connected between the pumping path and on of the outer terminals of the push-pull generator.

IPC 1-7

H05B 41/29

IPC 8 full level

H02M 1/12 (2006.01); **H05B 41/28** (2006.01); **H05B 41/295** (2006.01)

CPC (source: EP US)

H05B 41/28 (2013.01 - EP US); **H05B 41/295** (2013.01 - EP US); **H05B 45/355** (2020.01 - EP)

Citation (search report)

- [AD] EP 0253224 A2 19880120 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
- [A] WO 9607297 A2 19960307 - PHILIPS ELECTRONICS NV [NL], et al

Cited by

RU194944U1; US6091207A; WO9858526A1

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0808085 A2 19971119; EP 0808085 A3 19981118; EP 0808085 B1 20011121; CA 2205344 A1 19971115; CA 2205344 C 20040928; DE 19619581 A1 19971120; DE 59705440 D1 20020103; US 5880564 A 19990309

DOCDB simple family (application)

EP 97107207 A 19970430; CA 2205344 A 19970514; DE 19619581 A 19960515; DE 59705440 T 19970430; US 85399797 A 19970509