

Title (en)

Improved half bridge drive for discharge lamps

Title (de)

Verbesserte Halbbrückensteuerung von Leuchtstofflampen

Title (fr)

Circuit inverseur à pont amélioré pour lampes à décharge

Publication

EP 0797377 A1 19970924 (DE)

Application

EP 97103848 A 19970307

Priority

DE 19611417 A 19960322

Abstract (en)

The driver utilises a method of half-bridge control stabilisation and a safety switch-off circuit for driving a fluorescent lamp with protection against externally coupled noise. High frequency noise voltages coupled into the circuit are tapped by at least a secondary winding (RKc) of an inductance with a primary winding (RKa) in the lamp's current path (La) and are rectified. The rectified voltage charges a capacitance (C5) and optimally ensures switch-off element (Q7) operation via the safety switch-off circuit (SAK).

Abstract (de)

Mit einer einfachen Schaltungsänderung wird eine Störspannung in zumindest einem Halbbrückenkreis einer Hochfrequenzschaltungsanordnung für eine Leuchtstofflampe L an eine Sekundärwicklung einer Induktivität (RKc) geleitet, mit einer Diode (D12) gleichgerichtet und nützlicherweise dazu benutzt, die Schaltlage zu stabilisieren. <IMAGE>

IPC 1-7

H05B 41/39

IPC 8 full level

H05B 41/285 (2006.01); **H05B 41/298** (2006.01); **H05B 41/39** (2006.01)

CPC (source: EP)

H05B 41/2851 (2013.01); **H05B 41/2985** (2013.01)

Citation (search report)

- [A] EP 0266207 A2 19880504 - JORCK & LARSEN [DK], et al
- [A] US 4392089 A 19830705 - LESTER JAMES N, et al
- [A] EP 0163969 A1 19851211 - TRW MESSMER [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 014, no. 368 (E - 0962) 9 August 1990 (1990-08-09)
- [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 439 (E - 827) 3 October 1989 (1989-10-03)
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 672 (E - 1646) 19 December 1994 (1994-12-19)

Cited by

EP1049361A3

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0797377 A1 19970924; **EP 0797377 B1 19990526**; CA 2200500 A1 19970922; DE 19611417 A1 19970925; DE 59700170 D1 19990701

DOCDB simple family (application)

EP 97103848 A 19970307; CA 2200500 A 19970320; DE 19611417 A 19960322; DE 59700170 T 19970307