

Title (en)

Low voltage circuit for operating a low pressure discharge lamp

Title (de)

Schaltungsanordnung zum Betrieb einer Niederdruckentladungslampe an einer Niedervolt-Spannungsquelle

Title (fr)

Circuit basse tension pour l'alimentation d'une lampe à décharge basse pression

Publication

EP 0655880 B1 19980701 (DE)

Application

EP 94117877 A 19941111

Priority

DE 9318071 U 19931125

Abstract (en)

[origin: EP0655880A1] The invention relates to a circuit arrangement for operating a low-pressure discharge lamp (L) at a low-voltage source. It operates in accordance with the principle of the single-ended flyback converter and has, in the direction of the lamp (L), two diodes (D1, D2), the diode (D2) serving to preheat the lamp electrode (E2). The diode (D1) is connected between the secondary winding (N2) of the transformer and the lamp electrode (E1), and the other diode (D2) is connected between the primary winding (N1) and the lamp electrode (E2). An additional capacitor (C4) improves the starting of the lamp. <IMAGE>

IPC 1-7

H05B 41/29; H02M 3/338

IPC 8 full level

H02M 3/338 (2006.01); **H05B 41/295** (2006.01)

CPC (source: EP US)

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Cited by

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DOCDB simple family (publication)

DE 9318071 U1 19950323; CA 2135549 A1 19950526; CA 2135549 C 20000606; DE 59406367 D1 19980806; EP 0655880 A1 19950531; EP 0655880 B1 19980701; HK 1010444 A1 19990617; JP 3010988 U 19950509; US 5461286 A 19951024

DOCDB simple family (application)

DE 9318071 U 19931125; CA 2135549 A 19941110; DE 59406367 T 19941111; EP 94117877 A 19941111; HK 98111305 A 19981019; JP 1496894 U 19941109; US 33285794 A 19941101