

Title (en)

Circuit for operating at least one discharge lamp

Title (de)

Schaltungsanordnung zum Betrieb mindestens einer Entladungslampe

Title (fr)

Circuit pour alimenter au moins une lampe à décharge

Publication

EP 1081988 A3 20020911 (DE)

Application

EP 00116153 A 20000801

Priority

DE 19941437 A 19990830

Abstract (en)

[origin: EP1081988A2] The circuit has a half-bridge converter (T1,T2,A) with a drive device (A) and a load circuit (LD,CR,j1,j2), at least one half-bridge capacitor (CK) connected to the converter, load circuit connections for at least one discharge lamp (LP) and an arrangement for monitoring the voltage drop at the capacitor with two RC elements (R1,C1;R2,C2) connected by a threshold switch (DC). The first RC element is connected to the center tapping of the converter, the second to the capacitor and there is an arrangement for detecting the threshold switch state.

IPC 1-7

H05B 41/298

IPC 8 full level

H05B 41/24 (2006.01); **H05B 41/298** (2006.01)

CPC (source: EP US)

H05B 41/2985 (2013.01 - EP US); **Y10S 315/02** (2013.01 - EP US); **Y10S 315/05** (2013.01 - EP US)

Citation (search report)

- [X] EP 0886460 A1 19981223 - HELVAR OY [FI]
- [A] WO 9743879 A1 19971120 - PHILIPS ELECTRONICS NV [NL], et al

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 6291947 B1 20010918; AT E281057 T1 20041115; CA 2317310 A1 20010228; DE 19941437 A1 20010301; DE 50008397 D1 20041202; EP 1081988 A2 20010307; EP 1081988 A3 20020911; EP 1081988 B1 20041027; JP 2001102192 A 20010413

DOCDB simple family (application)

US 64404100 A 20000823; AT 00116153 T 20000801; CA 2317310 A 20000829; DE 19941437 A 19990830; DE 50008397 T 20000801; EP 00116153 A 20000801; JP 2000256615 A 20000828