

Title (en)

Circuit for operating one or more low pressure discharge lamps

Title (de)

Schaltungsanordnung zum Betrieb einer oder mehrerer Niederdruckentladungslampen

Title (fr)

Circuit pour alimenter une ou plusieurs lampes à décharge basse-pressure

Publication

EP 0693864 A3 19971203 (DE)

Application

EP 95110851 A 19950711

Priority

DE 4425859 A 19940721

Abstract (en)

[origin: EP0693864A2] Two lamps (LP1,LP2) are connected in series and supplied with current from a resonant circuit containing an inverter (Q1,Q2). Their electrodes (E1-E4) are preheated from an auxiliary circuit including a semiconductor switch (Q3) with a resistive element (Z) in series. The voltage drop across the series combination of the resistance and semiconductor drain-to-source path in the low-impedance condition is sufficient to hold the switch in its conductive state. <IMAGE>

IPC 1-7

H05B 41/29

IPC 8 full level

H05B 41/282 (2006.01); **H05B 41/295** (2006.01)

CPC (source: EP US)

H05B 41/295 (2013.01 - EP US)

Citation (search report)

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- [Y] DE 2924069 A1 19801218 - PHILIPS PATENTVERWALTUNG
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- [A] EP 0378992 A1 19900725 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
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Cited by

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Designated contracting state (EPC)

BE DE FR GB IT NL SE

DOCDB simple family (publication)

EP 0693864 A2 19960124; EP 0693864 A3 19971203; EP 0693864 B1 20020612; CA 2153108 A1 19960122; CA 2153108 C 20030617; DE 4425859 A1 19960125; DE 59510237 D1 20020718; JP H0855690 A 19960227; US 5589740 A 19961231

DOCDB simple family (application)

EP 95110851 A 19950711; CA 2153108 A 19950630; DE 4425859 A 19940721; DE 59510237 T 19950711; JP 20290795 A 19950717; US 49580395 A 19950627