

Title (en)

Circuit for operating at least one low-pressure discharge lamp

Title (de)

Schaltungsanordnung zum Betrieb mindestens einer Niederdruckentladungslampe

Title (fr)

Circuit pour alimenter au moins une lampe à décharge à basse pression

Publication

EP 1028606 A3 20030319 (DE)

Application

EP 00100767 A 20000115

Priority

DE 19905487 A 19990211

Abstract (en)

[origin: EP1028606A2] The circuit has a mains voltage rectifier (GL), a capacitor (C2) parallel to the rectifier's d.c. output, a static converter (Q1,Q2), a series resonant load circuit (C6,L5), a smoothing capacitor (C3) and a harmonic filter (D1,C7). A first connection of at least one harmonic filter capacitor is connected to a resonant capacitor, an electrode of a filter diode and the rectifier output; its second connection is connected to the static converter output. The second electrode of the filter diode is connected to the smoothing capacitor.

IPC 1-7

H05B 41/28

IPC 8 full level

H05B 41/24 (2006.01); **H05B 41/14** (2006.01); **H05B 41/28** (2006.01)

CPC (source: EP KR US)

H05B 41/14 (2013.01 - KR); **H05B 41/28** (2013.01 - EP US); **Y10S 315/07** (2013.01 - EP US)

Citation (search report)

- [X] EP 0244644 A1 19871111 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
- [XD] EP 0253224 A2 19880120 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]

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)

EP 1028606 A2 20000816; **EP 1028606 A3 20030319**; **EP 1028606 B1 20050323**; AT E291827 T1 20050415; CA 2297419 A1 20000811; CA 2297419 C 20090127; CN 1166257 C 20040908; CN 1263430 A 20000816; DE 19905487 A1 20000831; DE 50009827 D1 20050428; JP 2000235897 A 20000829; JP 4514269 B2 20100728; KR 100632531 B1 20061009; KR 20010006628 A 20010126; TW 587407 B 20040511; US 6259213 B1 20010710

DOCDB simple family (application)

EP 00100767 A 20000115; AT 00100767 T 20000115; CA 2297419 A 20000128; CN 00102317 A 20000212; DE 19905487 A 19990211; DE 50009827 T 20000115; JP 2000032163 A 20000209; KR 20000006375 A 20000211; TW 89101704 A 20000201; US 49456100 A 20000131