

Title (en)
CIRCUIT FOR OPERATING HIGH-PRESSURE DISCHARGE LAMPS

Title (de)
SCHALTUNGSANORDNUNG ZUM BETREIBEN VON HOCHDRUCKENTLADUNGSLAMPEN

Title (fr)
CIRCUIT POUR FAIRE FONCTIONNER DES LAMPES A DECHARGE A HAUTE PRESSION

Publication
EP 1647166 A1 20060419 (DE)

Application
EP 04762492 A 20040723

Priority

- DE 2004001643 W 20040723
- DE 10333729 A 20030723
- DE 102004020500 A 20040426

Abstract (en)
[origin: WO2005011338A1] The invention relates to a circuit for operating high-pressure discharge lamps, wherein a voltage transformer for power supply to a loading circuit comprises a connection for the high-pressure discharge lamp (La) and for the secondary winding (L1b) of an ignition transformer (T1) for an impulse ignition system for igniting a gaseous discharge in said high-pressure discharge lamp. The inventive circuit is characterised in that the loading circuit comprises at least one capacitor (C1) which is in series arranged with the secondary winding (L1b) of the ignition transformer (T1) when the impulse ignition system is reconnected, the capacity of the capacitor (C1) being selected in such away that said capacitor (C1) substantially forms a bridging for ignition impulses generated by the impulse ignition device in such a way that after ignition of the gaseous discharge in the high-pressure discharge lamp (La), at least one partial compensation of the ignition transformer (T1) is produced when the lamp current passes through the secondary winding (L1b).

IPC 1-7
H05B 41/288

IPC 8 full level
H05B 41/288 (2006.01)

CPC (source: EP US)
H05B 41/2881 (2013.01 - EP US); **Y02B 20/00** (2013.01 - EP US)

Citation (search report)
See references of WO 2005011338A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005011338 A1 20050203; CA 2533261 A1 20050203; EP 1647166 A1 20060419; JP 2006528410 A 20061214; US 2006164023 A1 20060727; US 7221103 B2 20070522

DOCDB simple family (application)
DE 2004001643 W 20040723; CA 2533261 A 20040723; EP 04762492 A 20040723; JP 2006520666 A 20040723; US 56507306 A 20060118