

Title (en)

Method and ignition circuit for switching a high pressure lamp on and off

Title (de)

Verfahren und Schaltung zum Zünden einer Hochdruckentladungslampe

Title (fr)

Procédé et circuit d'amorçage d'une lampe à décharge haute pression

Publication

**EP 1133215 A2 20010912 (EN)**

Application

**EP 01660040 A 20010302**

Priority

FI 20000505 A 20000306

Abstract (en)

The invention relates to a method and an ignition circuit for switching a high pressure lamp on and off. A load circuit is capable of being short-circuited by means of a switch (3), which is connected in series with a primary winding (1) of a pulse transformer (1, 2) and whose on-off control is also used for generating ignition voltage pulses through a secondary winding (2) to a lamp (L). Upon a controlled closing of the switch (3) conductively for an extended period of time, a current ballast (Lk) will be subjected to a through-going short-circuit current for the load circuit and the lamp voltage falls to such a low level that the lamp is turned off. This lamp turn-off function can be used both for switching off a normally burning lamp and for terminating an abnormal status of gas discharge of a lamp not ignited between ignition attempts, in order to give the lamp a chance to cool down prior to another ignition attempt. <IMAGE>

IPC 1-7

**H05B 41/04**

IPC 8 full level

**H05B 41/04** (2006.01); **H05B 41/292** (2006.01)

CPC (source: EP)

**H05B 41/042** (2013.01); **H05B 41/2925** (2013.01)

Cited by

DE102008004787A1; EP1686837A1; US8330396B2; WO2004032579A1

Designated contracting state (EPC)

DE

DOCDB simple family (publication)

**EP 1133215 A2 20010912**; **EP 1133215 A3 20040107**; FI 107578 B 20010831; FI 20000505 A0 20000306

DOCDB simple family (application)

**EP 01660040 A 20010302**; FI 20000505 A 20000306