

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 A3 20040107 (EN)**

Application  
**EP 01660040 A 20010302**

Priority  
FI 20000505 A 20000306

Abstract (en)  
[origin: EP1133215A2] 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)

Citation (search report)  
• [X] US 5962988 A 19991005 - NUCKOLLS JOE ALLEN [US], et al  
• [DA] WO 9708921 A1 19970306 - TRIDONIC BAUELEMENTE [AT], et al

Cited by  
EP1686837A1; DE102008004787A1; US8330396B2; WO2004032579A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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