

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

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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>

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IPC 8 full level

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Cited by

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