

Title (en)
STRIKING CIRCUIT FOR A HIGH-PRESSURE GAS DISCHARGE LAMP

Title (de)
ZÜNDSCHALTUNG FÜR EINE HOCHDRUCK-GASENTLADUNGSLAMPE

Title (fr)
CIRCUIT D'AMORCAGE POUR LAMPE A DECHARGE EN ATMOSPHERE GAZEUSE HAUTE PRESSION

Publication
EP 0847681 A1 19980617 (DE)

Application
EP 96927655 A 19960801

Priority
• DE 19531622 A 19950828
• EP 9603397 W 19960801

Abstract (en)
[origin: WO9708921A1] A striking circuit for a high-pressure discharge lamp (4) connected via a choke (3) to an a.c. voltage source and with a pulse transformer (5), the secondary winding (6) of which is fitted between the choke (3) and the lamp (4) and the primary winding (8) of which, with a switching component (9), forms a series circuit which in turn is connected in parallel to a pulse capacitor, in which a controllable switch (10) is connected in series with the parallel circuit of the pulse capacitor (7) on the one hand and the primary winding (8) and the switching component (9) on the other, said switch (10) being actuated on the occurrence of a striking pulse for the high-pressure gas discharge lamp (4) in such a way that the settlement of the oscillating circuit consisting of the pulse capacitor (7), the primary winding (8) and the switching component (9) or the rapid recovery of the switching component (9) is ensured. It is thus possible to obtain a short striking pulse sequence with a large number of striking pulses, thus ensuring that the lamp is reliably struck.

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CPC (source: EP)
H05B 41/042 (2013.01)

Citation (search report)
See references of WO 9708921A1

Cited by
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