

Title (en)

STARTER FOR A HIGH-PRESSURE GAS-DISCHARGE LAMP

Title (de)

ZÜNDVORRICHTUNG FÜR EINE HOCHDRUCK-GASENTLADUNGSLAMPE

Title (fr)

CIRCUIT D'AMOR AGE POUR LAMPE A DECHARGE A HAUTE PRESSION

Publication

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Application

EP 96945836 A 19961028

Priority

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- DE 19544838 A 19951201

Abstract (en)

[origin: DE19544838A1] The invention concerns a high-pressure gas-discharge lamp (10) connected at one end via the secondary winding (16) of a starter transformer (14) to a line (11) and at the other end to a second line (12). A first voltage (U1) is therefore applied to the lamp. A third line (13) enables another voltage (U2) to be applied. The ignition energy is supplied in the form of a pulse. This is done by connecting in series with the primary winding (15) a spark gap (17) which allows a current pulse to pass when its breakdown voltage is reached. Connected in parallel with this series circuit is a first capacitor (18) which is charged by voltage (U2) through a series-connected resistor (20). In parallel with the first capacitor is a second capacitor (19) connected in series with a diode (22). The point at which the second capacitor and the diode are connected is joined to the second line (12) via a resistor (21). This second capacitor (19) is charged by voltage (U1). The ignition-current path is completed by a voltage-discharge limiter (23). Thus the discharge, when it occurs, is staggered, coming initially from the first capacitor and then from both.

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