

Title (en)

INPUT CIRCUIT FOR THE STARTER OF A HIGH-PRESSURE GAS-FILLED DISCHARGE LAMP

Title (de)

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Title (fr)

CIRCUIT D'ENTREE POUR DISPOSITIF D'AMOR AGE D'UNE LAMPE A DECHARGE A HAUTE PRESSION

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Application

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Priority

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Abstract (en)

[origin: DE19544842A1] The invention concerns a high-pressure gas-filled discharge lamp (10) connected at one end via the secondary winding (9) of a starter transformer (11) to a line (12), and at the other end to a second line (13). The ignition energy is supplied in the form of a pulse. To this end, a controllable switch (6) is connected in series with the primary winding (7), the switch being conductive when a particular voltage is reached or being switched on by a control unit (8). Connected in parallel with the series-connected circuit is a capacitor (5) which is charged up, through a resistor (3) connected in series with it and a diode (4), by the voltage U between the input terminals (12, 13). The invention calls for a circuit to be connected between the input terminals of the starter to provide protection against voltage peaks, the input circuit consisting of a capacitor (1) or a protective element (2) or a combination of the two.

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