

Title (en)

CIRCUIT ARRANGEMENT FOR THE IGNITION AND OPERATION OF GAS DISCHARGE LAMPS

Publication

**EP 0178735 B1 19910102 (DE)**

Application

**EP 85201666 A 19851011**

Priority

DE 3438002 A 19841017

Abstract (en)

[origin: US4714862A] A circuit arrangement for igniting and operating gas discharge lamps comprises a choke coil (1) connected between a lamp (2) and an a.c. supply source. The choke coil has an inductance L and an ignition device (3) is connected to the lamp. A capacitor (9) having a capacitance C is connected in parallel with at least a part of the choke coil in order to pass an ignition current to the lamp that is higher than the normal lamp operating current. The relationship between the capacitive reactance of the capacitor and the inductive reactance of the choke coil is  $1/\omega C > 3 \omega L$ .

IPC 1-7

**H05B 41/23**

IPC 8 full level

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CPC (source: EP US)

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**EP 0178735 A1 19860423**; **EP 0178735 B1 19910102**; CA 1255744 A 19890613; DE 3438002 A1 19860417; DE 3581041 D1 19910207; HU 199050 B 19891228; HU T39036 A 19860728; JP S6196698 A 19860515; US 4714862 A 19871222

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**EP 85201666 A 19851011**; CA 493205 A 19851017; DE 3438002 A 19841017; DE 3581041 T 19851011; HU 396885 A 19851014; JP 23003585 A 19851017; US 78739485 A 19851015