

Title (en)

CIRCUIT ARRANGEMENT FOR OPERATING HIGH-PRESSURE DISCHARGE LAMPS

Publication

EP 0111956 B1 19861029 (DE)

Application

EP 83201696 A 19831201

Priority

DE 3245924 A 19821211

Abstract (en)

[origin: CA1229128A] Circuit arrangement for operating a high-pressure gas discharge lamp. In a circuit arrangement for operating a highpressure gas discharge lamp (3) with a pulsatory direct current, which is produced from an alternating voltage mains (A, B) via a full-wave rectifier (1), the output of the full-wave rectifier being shunted by a series arrangement of a diode (4) and a capacitor (5), according to the invention, the capacitor (5) has a value of 10 nF to 1 .mu.F and a resistor (6), which is high-ohmic with respect to a current limiter (2) in series with the lamp (3), is connected in a current circuit between the end of this capacitor facing the diode and the lamp (3). As a result, inter alia a low re-ignition voltage is attained at the heating-up stage of the lamp. Fig. 1.

IPC 1-7

H05B 41/231

IPC 8 full level

H05B 41/18 (2006.01); **H05B 41/231** (2006.01); **H05B 41/282** (2006.01)

CPC (source: EP US)

H05B 41/231 (2013.01 - EP US)

Cited by

EP0294901A1

Designated contracting state (EPC)

AT DE FR GB NL

DOCDB simple family (publication)

EP 0111956 A1 19840627; **EP 0111956 B1 19861029**; AT E23246 T1 19861115; CA 1229128 A 19871110; DE 3245924 A1 19840614; DE 3367315 D1 19861204; JP S59117095 A 19840706; US 4816721 A 19890328

DOCDB simple family (application)

EP 83201696 A 19831201; AT 83201696 T 19831201; CA 442812 A 19831208; DE 3245924 A 19821211; DE 3367315 T 19831201; JP 23162583 A 19831209; US 55522683 A 19831125