

Title (en)

SUPPLY CIRCUIT FOR DISCHARGE LAMPS COMPRISING VOLTAGE MULTIPLIERS

Publication

EP 0041027 B1 19841114 (FR)

Application

EP 81400844 A 19810526

Priority

FR 8011653 A 19800527

Abstract (en)

[origin: EP0041027A1] 1. Discharge tubes direct current feed device made up of at least two voltage multiplier stages, of which the first is composed of two legs for the respective half-waves. Each leg is made up of a first diode (1, 2) and a first condenser (7, 8) and connected in central circuit between input terminals (B1, B2) of the device that has the common point of first diodes (1, 2) and first condensers (7, 8) on the output terminal from which voltage comes out duplicated. The second multiplier stage is composed of two other legs, each one made up of a second diode (3, 4) and a second condenser (10, 9) connected in series between the input terminal (B1) on first diode's (1, 2) side and the output terminal (B5, B6) of the first multiplier, and fitted out of output terminals (B'3, B'4) at the common point of the second diodes (3, 4) and the second condensers (10, 9), from which voltage comes out multiplied. Characterized by an appreciably higher capacitance of the stage's condensers (7, 8) which maintain the tube's discharge current while the low capacitance condensers of output stage (9, 10 or 11, 12) produce only the tube's firing current.

IPC 1-7

H05B 41/20

IPC 8 full level

H05B 41/16 (2006.01)

CPC (source: EP)

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Cited by

FR2560730A1; NL9300560A; US6166492A; WO9631094A1

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EP 0041027 A1 19811202; EP 0041027 B1 19841114; DE 3167162 D1 19841220; FR 2483728 A1 19811204; FR 2483728 B1 19830121

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