Title (en)

ELECTRONIC STARTER CIRCUITS FOR DISCHARGE LAMPS

Publication

EP 0011410 B1 19830601 (EN)

Application

EP 79302368 A 19791030

Priority

IL 5587578 A 19781106

Abstract (en)

[origin: EP0011410A1] An electronic starter circuit for a discharge lamp is provided. The lamp (8) has preheatable electrodes (10, 12), a pair of terminals of which electrodes are connectable to a pair of input terminals (2, 4) of an AC voltage source. The starter comprises a thyristor switch (16) connected in series to another pair of terminals of the lamp electrodes and an ignition circuit connected to the thyristor switch. The thyristor switch is controllable by the ignition circuit, which ignition circuit, upon actuation of the starter, repeatedly, for a predetermined number of cycles calculated by the characteristics and values of the ignition circuit elements to ensure a definite ignition of the lamp (8) under standard conditions, renders the thyristor switch (16) conductive. The ignition circuit cuts off the conduction of the thyristor switch upon the ignition of the lamp (8) or the termination of the predetermined number of cycles.

IPC 1-7

H05B 41/14; H01J 61/70

IPC 8 full level

H05B 41/18 (2006.01); **H05B 41/04** (2006.01)

CPC (source: EP)

H05B 41/046 (2013.01)

Cited by

GB2169760A; GB2120871A; EP0048137A1

Designated contracting state (EPC)

CH DE FR GB NL

DOCDB simple family (publication)

EP 0011410 A1 19800528; **EP 0011410 B1 19830601**; DE 2965584 D1 19830707; IL 55875 A0 19790131; IL 55875 A 19810731; JP S5566897 A 19800520

DOCDB simple family (application)

EP 79302368 A 19791030; DE 2965584 T 19791030; IL 5587578 A 19781106; JP 14214579 A 19791105