

Title (en)
CONTROL CIRCUIT FOR AN ARC LAMP

Publication
EP 0243948 A3 19880120 (DE)

Application
EP 87106228 A 19870429

Priority
DE 3614708 A 19860430

Abstract (en)
[origin: EP0243948A2] 1. A control circuit for an arc lamp (6) having two connection terminals (1, 2) for connecting a d.c. voltage (U1), a switch arrangement (4) comprising four switches (S1, S2, S3, S4) which are connected in the manner of a bridge and whose first diagonal connection points (3, 5) are connected in series with a choke inductor (L1 , L1' , ...L2 , L2' , ...) limiting the current intensity, and between the second diagonal connection points (7, 8) of which is located the arc lamp (6), having a control arrangement which alternately triggers and opens the switches (S1, S4 or S2, S3) located opposite one another in the bridge, and a current regulator (S5) connected in series with the switch arrangement (4), characterised in that a storage capacitor (C1) is connected in parallel with the first diagonal connection points (3, 5) of the switch arrangement (4) and in series with a forward biased diode (D6) connected in parallel with a resistor (R1).

IPC 1-7
H05B 41/16

IPC 8 full level
H05B 41/16 (2006.01); **H05B 41/292** (2006.01)

CPC (source: EP)
H05B 41/292 (2013.01)

Citation (search report)
• DE 2904393 A1 19790809 - SIGNAUX ENTR ELECTRIQUES, et al
• DE 2307416 A1 19730823 - THORN ELECTRICAL IND LTD

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DE4301184A1; GB2212995A

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0243948 A2 19871104; EP 0243948 A3 19880120; EP 0243948 B1 19900926; DE 3614708 A1 19871119; DE 3765163 D1 19901031

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