

Title (en)  
CONTROL CIRCUIT FOR AN ARC LAMP

Publication  
**EP 0243948 B1 19900926 (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)

Cited by  
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

DOCDB simple family (application)  
**EP 87106228 A 19870429**; DE 3614708 A 19860430; DE 3765163 T 19870429