

Title (en)

Circuit for igniting and operating a cylindrical cathode arc discharge.

Title (de)

Schaltungsanordnung zum Zünden und Betreiben einer Hohlkatodenbogenentladung.

Title (fr)

Circuit pour allumer et faire fonctionner une décharge d'arc à cathode évidée.

Publication

**EP 0497126 B1 19941228 (DE)**

Application

**EP 92100408 A 19920113**

Priority

DE 4102554 A 19910129

Abstract (en)

[origin: EP0497126A1] A circuit in which the cathode tube is connected at one end to the negative terminal of the current source and the other end of the cathode tube is connected via a power switching element to an anode inside the vacuum chamber. The anode makes contact with the positive terminal of the current source. An ammeter is arranged in each case between the cathode tube and power switching element as well as between the anode and the positive terminal of the current source, the outputs of which ammeters are connected to the inputs of a subtracting element. The output of the subtracting element controls a switching unit for opening the power switch. <IMAGE>

IPC 1-7

**H05B 7/18**; H05H 1/32; H05B 31/30

IPC 8 full level

**H05B 7/18** (2006.01); **H05B 31/30** (2006.01); **H05H 1/32** (2006.01); **H05H 1/48** (2006.01)

CPC (source: EP US)

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Cited by

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DOCDB simple family (publication)

**EP 0497126 A1 19920805**; **EP 0497126 B1 19941228**; DE 4102554 A1 19920903; DE 4102554 C2 19930617; DE 59201038 D1 19950209

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