

Title (en)

FIRING AND OPERATING CIRCUIT ARRANGEMENT FOR GAS AND/OR VAPOUR DISCHARGE LAMPS

Publication

EP 0021508 B1 19821020 (DE)

Application

EP 80200547 A 19800613

Priority

DE 2924069 A 19790615

Abstract (en)

[origin: US4358711A] A circuit arrangement for starting and operating a discharge lamp by means of an electronic ballast includes a series arrangement of a PTC resistor and an ohmic resistor connected in parallel with an electronic switch of the ballast, with only the PTC resistor being in parallel with a control circuit of the electronic switch. The value of the ohmic resistor is 8 to 12 times the cold resistance of the PTC resistor.

IPC 1-7

H05B 41/04

IPC 8 full level

H05B 41/04 (2006.01); **H05B 41/18** (2006.01); **H05B 41/24** (2006.01); **H05B 41/392** (2006.01)

CPC (source: EP US)

H05B 41/046 (2013.01 - EP US); **H05B 41/3927** (2013.01 - EP US); **Y10S 315/07** (2013.01 - EP US)

Citation (examination)

DE 2263582 A1 19730726 - PHILIPS NV

Cited by

FR2771589A1; EP0918449A1; FR2771590A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0021508 A1 19810107; **EP 0021508 B1 19821020**; AT 378096 B 19850610; AT A313980 A 19841015; CA 1149077 A 19830628; DE 2924069 A1 19801218; DE 2924069 C2 19820513; DE 3060970 D1 19821125; JP S563996 A 19810116; JP S6329800 B2 19880615; US 4358711 A 19821109

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EP 80200547 A 19800613; AT 313980 A 19800613; CA 353457 A 19800605; DE 2924069 A 19790615; DE 3060970 T 19800613; JP 7962880 A 19800614; US 14655180 A 19800505