

Title (en)  
Discharge lamp circuit.

Title (de)  
Schaltung für Entladungslampen.

Title (fr)  
Circuit pour lampes à décharge.

Publication  
**EP 0034401 A2 19810826 (EN)**

Application  
**EP 81300106 A 19810112**

Priority  
GB 8004226 A 19800208

Abstract (en)  
Two (or more) gas discharge lamps (10, 110), each in series with a choke ballast (18, 118) across A.C. supply terminals (16a, 16a) are started by a single starter circuit (70), the lamps being connected to the starter circuit through respective rectifying diodes (150, 152). The starter circuit (70) operates with rectified half-cycles of the A.C. supply, and resistors (154, 156) balance the cathode heating currents between the two lamps. Preferably the starter circuit is rendered ineffective in a failed-lamp condition, and to this end (per DE-OS 28 16 415) it includes a thyristor (26) triggered by a control circuit which includes a capacitor (32) effective to increase the instantaneous applied voltage which is required to trigger the thyristor with successive cycles of the applied voltage after initial switch-on of the circuit. A Zener diode (30) is in series with the capacitor (32).

IPC 1-7  
**H05B 41/04**

IPC 8 full level  
**H05B 41/04** (2006.01)

CPC (source: EP)  
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Cited by  
US4629944A; DE3938677A1; DE3938676C1; GB2415860B

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AT CH DE GB IT NL

DOCDB simple family (publication)  
**EP 0034401 A2 19810826; EP 0034401 A3 19810902; EP 0034401 B1 19840919**; AT E9530 T1 19841015; AU 6628381 A 19810813; DE 3166098 D1 19841025; GB 2069779 A 19810826; NZ 196081 A 19831130

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**EP 81300106 A 19810112**; AT 81300106 T 19810112; AU 6628381 A 19810116; DE 3166098 T 19810112; GB 8004226 A 19800208; NZ 19608181 A 19810122