

Title (en)

A method for determining the values of components for a control circuit for a gas discharge lamp.

Title (de)

Verfahren zur Ermittlung von Bauteilenwerten für eine Steuerschaltung für eine Gasentladungslampe.

Title (fr)

Méthode pour déterminer les valeurs de composants d'un circuit de commande pour une lampe à décharge dans un gaz.

Publication

**EP 0011508 A1 19800528 (EN)**

Application

**EP 79302625 A 19791119**

Priority

- AU PD683778 A 19781120
- AU PD953979 A 19790711

Abstract (en)

A ballast circuit for a gas discharge lamp (L) which comprises a series resistance (R1) and a series capacitor (C1), the capacitor serving to store a charge provided by a starter circuit (D1, R1) to attain a starting voltage for the lamp, the capacitor also being assigned to determine the mean operating current for the lamp and its capacitance being selected to barely supply adequate operating current for predetermined lamp illumination, and the resistor being assigned to limit peak currents through said lamp and being of a resistance barely adequate to avoid excessive peak current through said lamp.

IPC 1-7

**H05B 41/16**; H01J 61/70

IPC 8 full level

**H05B 41/16** (2006.01); **H05B 41/04** (2006.01)

CPC (source: EP)

**H05B 41/042** (2013.01)

Citation (search report)

- US 3983449 A 19760928 - DEAR PETER ADRIAN, et al
- DE 2321063 A1 19741114 - WALZ ALFRED
- CH 492378 A 19700615 - GEN ELECTRIC [US]
- FR 1557851 A 19690221
- FR 963793 A 19500720
- FR 958142 A 19500303

Cited by

US4626745A; DE3603084A1; GB2139022A; EP1057370A4

Designated contracting state (EPC)

AT BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)

**EP 0011508 A1 19800528**; **EP 0011508 B1 19840808**; DE 2967166 D1 19840913; FI 793608 A 19800521; HU 182982 B 19840328; IE 49213 B1 19850821; IE 792212 L 19800520; IN 153361 B 19840707; JP S55105993 A 19800814; NO 793708 L 19800521; NZ 192162 A 19830215; PT 70469 A 19791201; ZA 796163 B 19801029

DOCDB simple family (application)

**EP 79302625 A 19791119**; DE 2967166 T 19791119; FI 793608 A 19791116; HU PA001368 A 19791119; IE 221279 A 19791119; IN 827DE1979 A 19791119; JP 14958979 A 19791120; NO 793708 A 19791116; NZ 19216279 A 19791119; PT 7046979 A 19791119; ZA 796163 A 19791115