

Title (en)

Circuit for operating a discharge lamp

Title (de)

Schaltungsanordnung zum Betrieb einer Entladungslampe

Title (fr)

Circuit pour alimenter une lampe à décharge

Publication

EP 0779768 B1 20000510 (DE)

Application

EP 96118851 A 19961125

Priority

DE 19546588 A 19951213

Abstract (en)

[origin: EP0779768A2] The load circuit contains the lamp (EL) with a parallel capacitor (C5), a series choke (L2), a capacitor (C6) and a current-measuring resistance (R2). In the preheating phase the load current is measured, an invariant desired value worked out and a clock generator activated at a free-running frequency between the pole values for lamp ignition and extinction. The ignition phase begins with load current measurement and derivation of a variable set-point. The clock generator is synchronised to the inverter frequency. This phase ends with the set-point attaining a value at which the conduction time of a half-bridge exceeds the free-running clock period.

IPC 1-7

H05B 41/295

IPC 8 full level

H05B 41/24 (2006.01); **H05B 41/295** (2006.01)

CPC (source: EP KR US)

H05B 41/28 (2013.01 - KR); **H05B 41/295** (2013.01 - EP US); **Y10S 315/05** (2013.01 - EP US)

Cited by

US8169149B2; WO2009092447A3; WO2008138391A1; US8207681B2; WO2009092447A2

Designated contracting state (EPC)

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DOCDB simple family (application)

EP 96118851 A 19961125; CA 2192506 A 19961210; CN 96121520 A 19961213; DE 19546588 A 19951213; DE 59605182 T 19961125; JP 34648896 A 19961211; KR 19960065033 A 19961213; US 76449196 A 19961212