Title (en)
Process and circuit for operating a discharge lamp

Title (de)
Verfahren und Schaltungsanordnung zum Betrieb einer Entladungslampe

Title (fr)
Procédé et circuit pour alimenter une lampe à décharge

Publication
EP 0779768 A3 19971029 (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 invertor 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 41/29

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)

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Designated contracting state (EPC)
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DOCDB simple family (publication)
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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