Title (en)

Circuit for operating a discharge lampe; its use and an associated process.

Title (de)

Stromversorgungsschaltung für eine Entladungslampe, deren Verwendung und Verfahren zum Betrieb.

Title (fr)

Circuit d'alimentation d'une lampe à décharge; son utilisation ainsi qu'un procédé associé.

Publication

EP 0671866 A3 19961204 (DE)

Application

EP 94118802 A 19941130

Priority

DE 4407674 A 19940308

Abstract (en)

[origin: EP0671866A2] A DC power supply for a gas discharge lamp has a current-limiting device and an ignition device. The latter is in parallel with the electrodes and contains a semiconducting switch (14). It is in series with an ignition voltage generator (12) and a ballast resistor (13). There is a condenser (17) across the output of the generator. The switch is an optical coupler and its control inputs (20, 21) are connected to an ignition pulse generator. The lamp is filled with hydrogen or deuterium. After the start of the heating phase, the glow cathode is subject to the ignition voltage, there being a small overlap between heating and ignition phases.

IPC 1-7

H05B 41/18

IPC 8 full level

H05B 41/18 (2006.01)

CPC (source: EP US)

H05B 41/18 (2013.01 - EP US); Y10S 315/07 (2013.01 - EP)

Citation (search report)
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- [Y] US 5053683 A 19911001 - THEROUX LUC [CA]
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- [A] US 4742276 A 19880503 - KU YEEGEE [US]
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Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0671866 A2 19950913; **EP 0671866 A3 19961204**; **EP 0671866 B1 20010418**; DE 4407674 A1 19950914; DE 59409733 D1 20010523; US 5530319 A 19960625

DOCDB simple family (application)

EP 94118802 A 19941130; DE 4407674 A 19940308; DE 59409733 T 19941130; US 36151894 A 19941222