

Title (en)

Power supply device for a discharge lamp.

Title (de)

Leistungsversorgung für eine Entladungslampe.

Title (fr)

Dispositif d'alimentation d'une lampe à décharge.

Publication

EP 0288924 A1 19881102 (FR)

Application

EP 88106480 A 19880422

Priority

FR 8706145 A 19870429

Abstract (en)

The device for powering a discharge lamp (1) comprises a starter (4) and a generator which is able to sustain a discharge current in the lamp. <??>The generator includes a first circuit (5) comprising the series placement of a DC voltage source (U1), a first switch (I1) and a second switch (I2). When the first switch is closed, the second is open and vice versa. A second circuit (6) comprising the series placement of an inductor (L) and the lamp is connected in parallel with the second switch. The switches (I1 and I2) are worked by a control device (7) which combines the signals received from an oscillator (9) and from a comparator (11) in order to monitor the current flowing in the lamp. <??>The generator behaves like a stabilised current source whatever the load applied to it and can be used equally well for a lamp for lighting or to power the luminous positions of a matrix display board. <IMAGE>

IPC 1-7

H05B 41/29; **H05B 41/392**

IPC 8 full level

H05B 41/282 (2006.01); **H05B 41/392** (2006.01)

CPC (source: EP KR US)

H05B 41/14 (2013.01 - KR); **H05B 41/2828** (2013.01 - EP US); **H05B 41/3927** (2013.01 - EP US); **Y10S 315/07** (2013.01 - EP US)

Citation (search report)

- [Y] US 3890537 A 19750617 - PARK JOHN N, et al
- [YD] EP 0152026 A1 19850821 - SUISSE HORLOGERIE [CH]

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EP0401931A1

Designated contracting state (EPC)

CH DE GB IT LI NL

DOCDB simple family (publication)

EP 0288924 A1 19881102; **EP 0288924 B1 19920708**; AU 1526188 A 19881103; AU 608835 B2 19910418; CA 1293292 C 19911217; CN 1015590 B 19920219; CN 88102588 A 19881116; DE 3872580 D1 19920813; DE 3872580 T2 19930218; FR 2614748 A1 19881104; FR 2614748 B1 19950224; JP S6448395 A 19890222; KR 880013422 A 19881130; KR 970001422 B1 19970206; US 4937505 A 19900626

DOCDB simple family (application)

EP 88106480 A 19880422; AU 1526188 A 19880428; CA 565340 A 19880428; CN 88102588 A 19880429; DE 3872580 T 19880422; FR 8706145 A 19870429; JP 10747488 A 19880428; KR 880005061 A 19880429; US 18762288 A 19880428