

Title (en)

Power supply device for cold-cathode discharge lamps

Title (de)

Anordnung zum Betreiben von Kaltkathoden- Entladungslampen

Title (fr)

Dispositif d' alimentation de lampes à décharge à cathodes froides

Publication

**EP 1220581 A3 20030903 (EN)**

Application

**EP 01124310 A 20011019**

Priority

IT TV20000163 A 20001228

Abstract (en)

[origin: EP1220581A2] A power supply device (1) for cold-cathode discharge lamps, constituted by a unit (2) for conversion from alternating-current mains voltage to direct current with voltage reduction, and by a distribution unit (12) which supplies power to one or more inverters (16) suitable to convert from low-voltage DC to high-voltage AC one or more cold-cathode discharge lamps (13). Appropriate devices (28) are also provided for diagnostics, programming, functional testing, any ground leakage, and identification of failure of the individual lamp. <IMAGE>

IPC 1-7

**H05B 41/36**; **H05B 41/282**; **H05B 41/24**; **H05B 41/285**

IPC 8 full level

**H05B 41/24** (2006.01)

CPC (source: EP)

**H05B 41/245** (2013.01)

Citation (search report)

- [Y] US 4751398 A 19880614 - ERTZ III ALEXANDER L [US]
- [YD] US 5814938 A 19980929 - BELAND ROBERT [CA], et al
- [Y] DE 3212339 A1 19830922 - FRANKAUER MANFRED
- [A] US 5487088 A 19960123 - WELTZ RICHARD [US], et al
- [A] US 5949197 A 19990907 - KASTNER MARK [US]
- [A] WO 9912399 A1 19990311 - SPARTON CORP [US]
- [A] US 5420779 A 19950530 - PAYNE RODGER E [US]
- [A] DE 19613263 A1 19961010 - SOLAR WIDE IND LTD [HK]
- [A] US 5654609 A 19970805 - SMALLWOOD ROBERT CHARLES [US], et al
- [A] WO 9427419 A1 19941124 - ETTA IND INC [US]
- [A] US 4630005 A 19861216 - CLEGG JOHN C [US], et al
- [Y] ALONSO J M ET AL: "A MICROCONTROLLER-BASED EMERGENCY BALLAST FOR FLUORESCENT LAMPS", IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, IEEE INC. NEW YORK, US, vol. 44, no. 2, 1 April 1997 (1997-04-01), pages 207 - 216, XP000656632, ISSN: 0278-0046

Cited by

DE102004002017B4; KR100753559B1; DE102004012215B4; EP1555861A1; EP2365737A3; DE102004002027B4; EP1947913A1; EP1555857A1; EP1555860A1; EP2278861A1

Designated contracting state (EPC)

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**EP 1220581 A2 20020703**; **EP 1220581 A3 20030903**; IT 1316561 B1 20030422; IT TV20000163 A1 20020628

DOCDB simple family (application)

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