

Title (en)

Circuit with monitoring function for a fluorescent lamp, and method for monitoring a fluorescent lamp

Title (de)

Ansteuerschaltung für eine Leuchtstofflampe mit einer Diagnoseschaltung und Verfahren zur Diagnose einer Leuchtstofflampe

Title (fr)

Circuit avec fonction de surveillance pour lampe fluorescente, et méthode de surveillance d' une lampe fluorescente

Publication

EP 1624731 A3 20071226 (DE)

Application

EP 05013377 A 20050621

Priority

DE 102004037390 A 20040802

Abstract (en)

[origin: EP1624731A2] A control circuit for a fluorescent lamp comprises a half-bridge circuit (Q1,Q2) giving a supply voltage with a coupled oscillator circuit (L1,C1) to which at least one lamp (10) is connected and a diagnostic circuit (30) with resistance (R1) coupled to the oscillator and to a current-voltage converter (31) and an evaluation circuit (32). Independent claims are also included for the following: (A) a diagnostic process for a fluorescent lamp as above;and (B) a control circuit for the above.

IPC 8 full level

H05B 41/285 (2006.01); **H05B 37/03** (2006.01); **H05B 41/298** (2006.01)

CPC (source: EP US)

H05B 41/2985 (2013.01 - EP US)

Citation (search report)

- [X] WO 0156337 A1 20010802 - ROBERTSON WORLDWIDE INC [US]
- [A] US 6008592 A 19991228 - RIBARICH THOMAS J [US]
- [DA] US 2002047635 A1 20020425 - RIBARICH THOMAS J [US], et al
- [A] US 6008593 A 19991228 - RIBARICH THOMAS J [US]
- [A] US 6400095 B1 20020604 - PRIMISSER NORBERT [AT], et al

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ITVA20130002A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

EP 1624731 A2 20060208; EP 1624731 A3 20071226; CN 102612241 A 20120725; CN 102612241 B 20150819; CN 1747618 A 20060315; CN 1747618 B 20120425; DE 102004037390 A1 20060316; DE 102004037390 B4 20081023; US 2006033450 A1 20060216; US 7378807 B2 20080527

DOCDB simple family (application)

EP 05013377 A 20050621; CN 200510088264 A 20050802; CN 201210032646 A 20050802; DE 102004037390 A 20040802; US 19537605 A 20050802