Title (en)

Circuit and method for detecting the crest factor of a lamp current or a lamp voltage

Title (de)

Schaltungsanordnung und Verfahren zum Erfassen eines Crestfaktors eines Lampenstroms oder einer Lampenbrennspannung einer elektrischen Lampe

Title (fr)

Circuit et méthode pour détecter le facteur de forme d' un courant à travers une lampe ou d' une tension aux bornes d' une lampe

Publication

EP 1732365 A3 20071024 (DE)

Application

EP 06011752 A 20060607

Priority

DE 102005027012 A 20050610

Abstract (en)

[origin: EP1732365A2] The arrangement has a partial circuit (15) formed for determining average value from an input signal applied on the arrangement and another partial circuit determining a maximum value from the input signal applied on the arrangement. A comparator circuit (17) produces a comparison signal from output signals of the circuits, where the output signals characterize the average value and the maximum allowable crest factor, respectively. Independent claims are also included for the following: (1) electronic ballast for an electrical lamp (2) a method for detecting a crest factor of a lamp burning voltage or a lamp current of an electrical lamp (3) a method for operating an electrical lamp.

IPC 8 full level

H05B 41/285 (2006.01)

CPC (source: EP US)

H05B 41/2858 (2013.01 - EP US); **H05B 41/3921** (2013.01 - EP US)

Citation (search report)

- [X] US 5363020 A 19941108 - CHEN NIAN [US], et al
- [X] WO 2004028206 A2 20040401 - INT RECTIFIER CORP [US], et al
- [X] WO 0219779 A1 20020307 - KONINKL PHILIPS ELECTRONICS NV [NL]
- [X] WO 0040058 A1 20000706 - KONINKL PHILIPS ELECTRONICS NV [NL]
- [A] US 5220276 A 19930615 - KLEEFSTRA MEINDERT [US]
- [A] US 3502983 A 19700324 - INGLE JAMES F, et al

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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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1732365 A2 20061213; **EP 1732365 A3 20071024**; CA 2549808 A1 20061210; CN 1956617 A 20070502; DE 102005027012 A1 20061214; US 2006279231 A1 20061214; US 7355356 B2 20080408

DOCDB simple family (application)

EP 06011752 A 20060607; CA 2549808 A 20060608; CN 200610149512 A 20060609; DE 102005027012 A 20050610; US 44983806 A 20060609