

Title (en)

Method and device for operating a fan via a pulse-width-modulated signal of a ballast device

Title (de)

Verfahren und Einrichtung zum Betreiben eines Lüfters über ein pulsweitenmoduliertes Signal eines Vorschaltgeräts

Title (fr)

Procédé et installation pour le fonctionnement d'un ventilateur par le biais du signal à largeur d'impulsion modulée d'un appareil placé en amont

Publication

EP 2595457 A3 20150121 (DE)

Application

EP 12189034 A 20121018

Priority

DE 102011055432 A 20111117

Abstract (en)

[origin: EP2595457A2] The device (15) has control circuit (18) to which fan (16) is attached to provide required electrical energy. The control circuit is provided for supplying electric power to output of ballast (20) to which pulse-width modulated output signal (AL) is applied. The control circuit has signal circuitry that generates duty cycle signal which is transmitted to fan control unit. The fan control unit controls the operating state of the fan by fan control signal depending on the setting of the duty cycle signal. An independent claim is included for method for operating fan of light module.

IPC 8 full level

H03F 1/52 (2006.01); **H05B 44/00** (2022.01); **H05K 1/00** (2006.01); **H05K 7/20** (2006.01)

CPC (source: EP US)

H05B 45/325 (2020.01 - EP); **H05B 45/48** (2020.01 - EP US)

Citation (search report)

- [X] US 2009129111 A1 20090521 - ITO MASAYASU [JP], et al
- [A] EP 1583229 A1 20051005 - THOMSON LICENSING [FR]
- [A] EP 2373142 A2 20111005 - PANASONIC ELECTRIC WORKS VOSSLOH SCHWABE GMBH [DE]
- [A] US 2010134017 A1 20100603 - YATSUDA YASUSHI [JP], et al
- [AD] EP 2317825 A2 20110504 - SUNONWEALTH ELECTR MACH IND CO [TW]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102011055432 B3 20130328; EP 2595457 A2 20130522; EP 2595457 A3 20150121

DOCDB simple family (application)

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