Title (en)
Controlling operation of a light source

Title (de)
Steuerung des Betriebs einer Lichtquelle

Title (fr)
Commande du fonctionnement de source de lumière

Publication
EP 2739120 A1 20140604 (EN)

Application
EP 12195229 A 20121203

Priority
EP 12195229 A 20121203

Abstract (en)
An approach for providing a control signal for a power converter, the power converter being adapted to supply an output current for driving a light source on basis of the control signal, wherein the output current comprises a series of cycles, each cycle consisting of an active period followed by a non-active period is provided. The approach comprises setting the control signal to cause the power converter to supply the active period of a given cycle of the output current employing an active period of a desired duration, receiving an indication of the observed duration of the active period in the given cycle of the output current, determining the difference between the observed duration of the active period of the given cycle of the output current and the desired duration of the active period of the given cycle of the output current on basis of said indication, determining the target duration of the given cycle of the output current on basis of said determined difference to provide a desired duty cycle in the given cycle of the output current, and setting the control signal to cause the power converter to initiate the next cycle of the output current after supplying the given cycle of said target duration

IPC 8 full level
H05B 44/00 (2022.01)

CPC (source: EP US)
H05B 45/00 (2020.01 - EP US); **H05B 45/14** (2020.01 - EP); **H05B 45/375** (2020.01 - EP US); H05B 45/355 (2020.01 - EP US)

Citation (search report)
- [X] US 2012019154 A1 20120126 - CHEN CHIEN-YANG [TW], et al
- [A] US 2009184662 A1 20090723 - GIVEN TERRY [NZ], et al

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)
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