

Title (en)

APPARATUS AND METHOD FOR AMBIENT LIGHT MEASUREMENT BY A SOLID STATE LIGHT BULB

Title (de)

VORRICHTUNG UND VERFAHREN ZUR UMGEBUNGSLICHTMESSUNG DURCH EINE FESTSTOFFGLÜHBIRNE

Title (fr)

APPAREIL ET PROCÉDÉ DE MESURE DE LUMIÈRE AMBIANTE PAR UNE AMPOULE À SEMI-CONDUCTEURS

Publication

EP 3289837 A4 20181121 (EN)

Application

EP 16789754 A 20160425

Priority

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- US 201662312595 P 20160324
- US 2016029125 W 20160425

Abstract (en)

[origin: WO2016178843A1] A method for a light bulb or fixture to emit light and measure ambient light. The method includes driving solid state light sources, such as LEDs, in the bulb with a cyclical signal to repeatedly turn them off and on, where the light sources are turned off and on at a rate sufficient for the bulb to appear on. The method also includes measuring ambient light via a light sensor in or on the bulb during at least some times when the light sources are off, and outputting a signal related to the measured ambient light. In some cases the light sensor saturates when the solid state light sources are active and measures the ambient light level when the solid state light sources are not active. The ambient light level signal can be used to control when the light bulb is on and an intensity of light output by the bulb.

IPC 8 full level

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Citation (search report)

- [Y] US 2015109791 A1 20150423 - JOHNSTON RAYMOND P [US], et al
- [Y] US 2010171429 A1 20100708 - GARCIA RICHARD JEFF [US], et al
- See also references of WO 2016178843A1

Designated contracting state (EPC)

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