

Title (en)

APPARATUS AND METHODS OF OPERATION OF PASSIVE AND ACTIVE LED LIGHTING EQUIPMENT

Title (de)

VORRICHTUNG UND VERFAHREN FÜR DEN BETRIEB EINER PASSIVEN UND AKTIVEN LED-BELEUCHTUNGSAUSRÜSTUNG

Title (fr)

APPAREILS ET PROCÉDÉS DE FONCTIONNEMENT D'ÉQUIPEMENTS D'ÉCLAIRAGE À DEL PASSIF OU ACTIFS

Publication

EP 2494853 A4 20131106 (EN)

Application

EP 10809603 A 20100820

Priority

- US 54454509 A 20090820
- US 58262009 A 20091020
- IB 2010000891 W 20100421
- IB 2010002052 W 20100820

Abstract (en)

[origin: WO2011021096A1] An embodiment relates a method comprising creating a reversible change in an electrical property by adsorption of a gas by a composition, wherein the composition comprises a noble metal-containing nanoparticle and a single walled carbon nanotube. Another embodiment relates to a method comprising forming a composition comprising a noble metal-containing nanoparticle and a single walled carbon nanotube and forming a device containing the said composition. Yet another method relates to a device comprising a composition comprising a noble metal-containing nanoparticle and a single walled carbon nanotube on a silicon wafer, wherein the composition exhibits a reversible change in an electrical property by adsorption of a gas by the composition.

IPC 8 full level

H05B 41/16 (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)

H05B 45/3725 (2020.01 - EP US); **H05B 45/355** (2020.01 - EP US)

Citation (search report)

- [X] US 2008093999 A1 20080424 - CHENG YING-CHANG [TW], et al
- See references of WO 2011021096A1

Cited by

CN107950077A

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2011021096 A1 20110224; **WO 2011021096 A8 20110728**; AU 2010286130 A1 20140220; AU 2010286130 B2 20150924; CA 2808715 A1 20110224; EP 2494853 A1 20120905; EP 2494853 A4 20131106; RU 2013112119 A 20140927; TW 201121367 A 20110616; ZA 201204558 B 20130227

DOCDB simple family (application)

IB 2010002052 W 20100820; AU 2010286130 A 20100820; CA 2808715 A 20100820; EP 10809603 A 20100820; RU 2013112119 A 20100820; TW 99128033 A 20100820; ZA 201204558 A 20120620