

(12) International Application Status Report

Received at International Bureau: 16 March 2013 (16.03.2013)

Information valid as of: 12 September 2014 (12.09.2014)

Report generated on: 14 June 2021 (14.06.2021)

(10) Publication number:

WO2013/134646

(43) Publication date:

12 September 2013 (12.09.2013)

(26) Publication language:

English (EN)

(21) Application Number:

PCT/US2013/029888

(22) Filing Date:

08 March 2013 (08.03.2013)

(25) Filing language:

English (EN)

(31) Priority number(s):

61/608,374 (US)

(31) Priority date(s):

08 March 2012 (08.03.2012)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

F21S 4/00 (2006.01); **A47F 3/00** (2006.01); **A47F 11/10** (2006.01); **F21V 7/00** (2006.01); *F21W 131/405* (2006.01); *F21Y 101/02* (2006.01); *F21Y 103/00* (2006.01)

(71) Applicant(s):

RTC INDUSTRIES, INC. [US/US]; 2800 Golf Road Rolling Meadows, Illinois 60008 (US) *(for all designated states)*

(72) Inventor(s):

BRESLOW, David S.; 5057 N. Wolcott Avenue Chicago, Illinois 60640 (US)

SWAFFORD, John Wesley, Jr.; 2123 Thorntree Lane Palatine, Illinois 60067 (US)

(74) Agent(s):

MAY, Matthew J.; Banner & Witcoff, Ltd. 10 S. Wacker Drive Suite 3000 Chicago, Illinois 60606-7407 (US)

(54) Title (EN): LED LIGHTING ASSEMBLY AND METHOD OF LIGHTING FOR A MERCHANDISE DISPLAY

(54) Title (FR): ENSEMBLE D'ÉCLAIRAGE À DEL ET PROCÉDÉ D'ÉCLAIRAGE POUR UN PRÉSENTOIR DE MARCHANDISES

(57) Abstract:

(EN): Aspects of the disclosure relate to a lighting assembly (10) and method for illuminating a vertical planar area, such as a merchandise display. The lighting assembly (10) can comprise two opposing support arms (211, figure 8) and a lighting bar (212) extending between the two opposing support arms (211), a circuit board (216) having a plurality of LEDs (220) mounted to the inside of the lighting bar (212); and a plurality of reflective surfaces (230) located adjacent to the plurality of LEDs (220), wherein the plurality of reflective surfaces (230) are positioned such that the LEDs (220) project a first light beam (222A) in a first direction and a second light beam (222B) in a second direction different from the first direction.

(FR): Des aspects de l'invention se rapportent à un ensemble d'éclairage (10) et à un procédé pour éclairer une zone plane verticale, telle qu'un présentoir de marchandises. L'ensemble d'éclairage (10) peut comprendre deux bras de support opposés (211, figure 8) et une barre d'éclairage (212) s'étendant entre les deux bras de support opposés, (211), une carte de circuit imprimé (216) ayant une pluralité de DEL (220) montées à l'intérieur de la barre d'éclairage (212) ; et une pluralité de surfaces réfléchissantes (230) situées de manière adjacente à la pluralité de DEL (220), la pluralité de surfaces réfléchissantes (230) étant positionnées de telle sorte que les DEL (220) projettent un premier faisceau de lumière (222A) dans une première direction et un second faisceau de lumière (222B) dans une seconde direction différente de la première direction.

International search report:

Received at International Bureau: 21 May 2013 (21.05.2013) [EP]

International Report on Patentability (IPRP) Chapter II of the PCT:

Not available

(81) Designated States:

AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

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

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

African Regional Intellectual Property Organization (ARIPO) : BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW

Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, RU, TJ, TM