



- (51) **International Patent Classification:**
F25D 27/00 (2006.01) *F25D 23/00* (2006.01)
- (21) **International Application Number:**
PCT/US2012/034834
- (22) **International Filing Date:**
24 April 2012 (24.04.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/479,266 26 April 2011 (26.04.2011) US
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- (81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, 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, 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.

- (84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

- (88) **Date of publication of the international search report:**
3 January 2013

(54) **Title:** PRODUCT LIGHTING REFRIGERATION DOOR

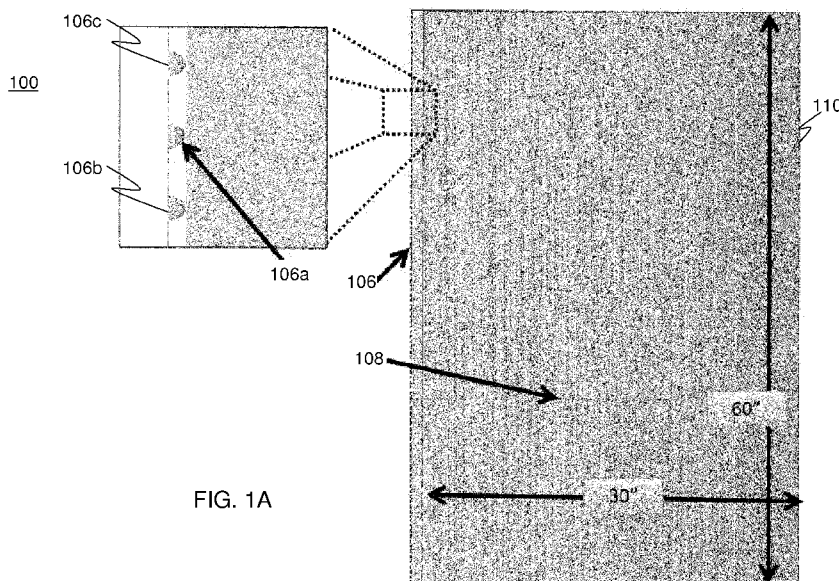


FIG. 1A

(57) **Abstract:** An illustrative refrigeration unit door includes a transparent window portion that receives light from a light source such that the light exhibits total internal reflection within the window portion. A series of uniformly-sized prisms with non-uniform spacing ejects light from one face of the transparent window portion at angles around 60 degrees and 30 degrees. Collimated light can be used to reduce the amount of light ejected from a second face of the transparent window that is opposite the first face.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/034834**A. CLASSIFICATION OF SUBJECT MATTER*****F25D 27/00(2006.01)i, F25D 23/00(2006.01)i***

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

F25D 27/00; F25D 19/00; A47F 3/04; F25D 23/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords:refrigeration, door, light, source, prism, reflective, coat, LED

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2009-0272136 A1 (KNöLL SEBASTIAN et al.) 05 November 2009 see paragraph 5 - paragraph 29 and figure 1.	1-20
A	US 2010-0281910 A1 (RIEMEIJER MARTIJN et al.) 11 November 2010 see paragraph 17 - paragraph 26 and figures 3 and 4.	1-20
A	US 2011-0079034 A1 (KIM JOONG HO et al.) 07 April 2011 see paragraph 42 - paragraph 89 and figure 1.	1-20

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

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Date of the actual completion of the international search

02 NOVEMBER 2012 (02.11.2012)

Date of mailing of the international search report

05 NOVEMBER 2012 (05.11.2012)

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2012/034834

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