

REVISED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
8 October 2009 (08.10.2009)

PCT

(10) International Publication Number
WO 2009/123752 A9

- (51) International Patent Classification:
B60Q 1/06 (2006.01)
- (21) International Application Number:
PCT/US2009/002100
- (22) International Filing Date:
3 April 2009 (03.04.2009)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/042,690 4 April 2008 (04.04.2008) 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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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, SE, SI, SK, 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))
- with amended claims (Art. 19(1))

(88) Date of publication of the revised international search report:
23 December 2009

(15) Information about Correction:
see Notice of 23 December 2009

(54) Title: LED LIGHT FIXTURE

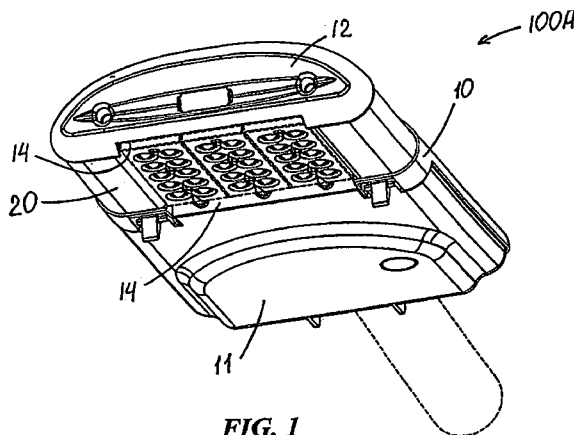


FIG. 1

(57) Abstract: An LED floodlight fixture (100) includes a housing (10) that has at least one end-portion (12), a single-piece extrusion (20) including (i) a base (22) having an LED-adjacent surface (220) and an opposite surface (221) and (ii) a heat-dissipating section (24) having heat-dissipating surfaces (241) extending from the opposite surface, and an LED arrangement (30) mounted to the LED-adjacent surface in non-water/air-tight condition with respect to the housing. The housing preferably forms at least one venting gap (14) to provide cool-air (3) ingress to and along the heat-dissipating surfaces by upward flow of heated air (5) therefrom. Additionally and/or alternatively, the base of the single-piece extrusion has one or more venting apertures (28) to provide cool-air ingress for such purpose. One aspect of the invention involves the heat-dissipating section of the extrusion including a wireway (26) therealong enclosing wires extending to/from electrical component(s).



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 09/02100

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B60Q 1/06 (2009.01)

USPC - 362/373

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)

USPC: 362/373

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 257/99, 88; 362/373, 218, 219, 294, 345, 227, 236, 240, 249.01, 249.02, 800 (keyword limited - see search terms)

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

PubWEST (USPT, PGPB, EPAB, JPAB); Google Patents; Google

Search Terms Used: LED; water/air chamber; non-water/air chamber; LED array modules; deflector; fin; heat dissipation

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	US 2008/080196 A1 (RUUD et al.) 03 April 2008 (03.04.2008), entire document, especially; para [0014], [0016]-[0018], [0020], [0021], [0024]-[0026], [0033], [0036], [0039], [0058]-[0061], [0063], [0064], [0067], [0074], FIGs. 1, 3, 5, 6, 13	37, 39 ----- 1-36, 38
Y	US 2008/0037239 A1 (THOMAS et al.) 14 February 2008 (14.02.2008), entire document, especially; para [0024], [0025], [0030], [0032], [0033]	1-36, 38
Y	US 2003/0048608 A1 (CROCKER et al.) 13 March 2003 (13.03.2003), entire document, especially; para [0038], [0057]-[0059], [0069]	24
A	US 2007/0115666 A1 (THOMAS et al.) 24 May 2007 (24.05.2007), entire document, especially; para [0051]	1-36, 38

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 20 May 2009 (20.05.2009)	Date of mailing of the international search report 22 OCT 2009
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774
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