



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
27.11.2013 Bulletin 2013/48

(51) Int Cl.:
F21V 7/09 (2006.01) **F21V 7/04** (2006.01)
F21S 8/06 (2006.01)

(43) Date of publication A2:
07.03.2012 Bulletin 2012/10

(21) Application number: **11178794.1**

(22) Date of filing: **25.08.2011**

(84) Designated Contracting States:
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 RS SE SI SK SM TR
Designated Extension States:
BA ME

(72) Inventors:
• **Chuang, Ping-Han**
New Taipei City (TW)
• **Peng, Chia-Mei**
Tao-Yuen County (TW)

(30) Priority: **01.09.2010 TW 099129416**

(74) Representative: **Ruschke, Hans Edvard**
Ruschke Hartmann Madgwick & Seide
Postfach 86 06 29
81633 München (DE)

(71) Applicant: **Taiwan Network Computer & Electronic Co., Ltd.**
Taipei Hsien 247 (TW)

(54) **Lighting fixture equipped with a shaped reflector**

(57) A lighting fixture includes a light source, a lamp case, a power supply device, a shaped reflector and a prism. The shaped reflector has inwardly curved front and back walls each consisting of multiple conical faces abutted against one another and sloping at different angles. The angle of inclination of one lower conical face is relatively closer toward the center of the shaped reflector than that of the adjacent upper conical face. Thus,

the shaped reflector effectively and evenly reflects the light emitted by the light source onto a predetermined rectangular or particularly shaped illumination area. Therefore, the lighting fixture is practical for road illumination, lounge illumination, advertizing light box and streamline table light applications to effectively and evenly illuminate the desired area, saving much power consumption.

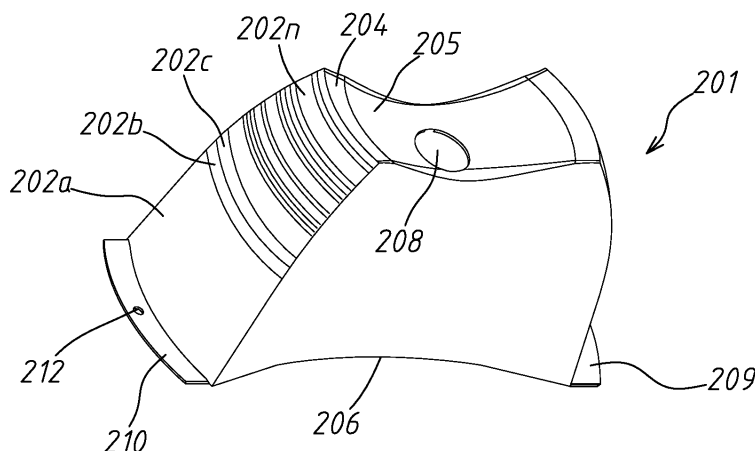


FIG. 2C

**PARTIAL EUROPEAN SEARCH REPORT**

Application Number

under Rule 62a and/or 63 of the European Patent Convention.
This report shall be considered, for the purposes of
subsequent proceedings, as the European search report

EP 11 17 8794

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 5 941 632 A (WEDELL MARK T [US] ET AL) 24 August 1999 (1999-08-24) * figures 10, 11, 21-24 * * column 10, line 33 - line 63 * * column 17, line 21 - column 19, line 52 * * -----	1-9	INV. F21V7/09 F21V7/04 ADD. F21S8/06
A	US 4 242 727 A (DEVOS HENDRIK A [US] ET AL) 30 December 1980 (1980-12-30) * column 2, line 21 - column 6, line 43; figures 1-3 * -----	1-9	
A	US 2008/232102 A1 (MARTINEAU PATRICK [CA] ET AL) 25 September 2008 (2008-09-25) * the whole document * -----	1-9	
A	EP 1 978 298 A2 (KANO TETSUHIRO [DE]) 8 October 2008 (2008-10-08) * abstract; figure 17 * * paragraph [0072] * -----	1-9	
			TECHNICAL FIELDS SEARCHED (IPC)
			F21S F21V F21W
INCOMPLETE SEARCH			
The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out.			
Claims searched completely :			
Claims searched incompletely :			
Claims not searched :			
Reason for the limitation of the search: see sheet C			
Place of search		Date of completion of the search	Examiner
The Hague		22 October 2013	Thibaut, Arthur
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

EPO FORM 1503 03.82 (P04E07)



**INCOMPLETE SEARCH
SHEET C**

Application Number
EP 11 17 8794

Claim(s) completely searchable:
1-9

Claim(s) not searched:
10-23

Reason for the limitation of the search:

Claims 1, 10, 20, 21, 22, 23 have been identified as independent claims in the same category. After applicants reply to clarification request (R.62a), claims 10 to 23 were not searched and claims 1 to 9 were searched.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 11 17 8794

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

22-10-2013

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5941632	A	24-08-1999	AU 719848 B2	18-05-2000
			AU 2207697 A	22-09-1997
			BR 9707848 A	27-07-1999
			CA 2247962 A1	12-09-1997
			DE 69704658 D1	31-05-2001
			DE 69704658 T2	29-05-2002
			EP 0882197 A2	09-12-1998
			EP 1055874 A2	29-11-2000
			EP 1055875 A2	29-11-2000
			ES 2159395 T3	01-10-2001
			HK 1015445 A1	30-11-2001
			JP 3258671 B2	18-02-2002
			JP H11512873 A	02-11-1999
			MX PA98007310 A	24-08-2004
			US RE38767 E1	02-08-2005
			US 5803590 A	08-09-1998
			US 5941632 A	24-08-1999
			US 6059427 A	09-05-2000
			US 6132065 A	17-10-2000
			US 6241367 B1	05-06-2001
			US 6302564 B1	16-10-2001
			US 6419378 B1	16-07-2002
			WO 9733125 A2	12-09-1997

US 4242727	A	30-12-1980	CA 1134792 A1	02-11-1982
			DE 3011477 A1	09-10-1980
			FR 2452665 A1	24-10-1980
			US 4242727 A	30-12-1980

US 2008232102	A1	25-09-2008	NONE	

EP 1978298	A2	08-10-2008	DE 102007016748 A1	09-10-2008
			EP 1978298 A2	08-10-2008
			JP 2008257251 A	23-10-2008
