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(54) **Lighting apparatus with seal arranged between reflector and refractor**

(57) A lighting apparatus is described comprising a power supply body (2) connected to a reflector (3), in which a lamp is accommodated, which supports a refractor (4), inferiorly closed by a lid (9) at least partially transparent to light, by means of a socket-type connection

obtained by interference between a wider lower end (5) of the reflector (3) and a narrower upper end (6) of the refractor (4). Said apparatus further comprises a seal (7) interposed between the reflector (3) and the refractor (4) where they interfere.

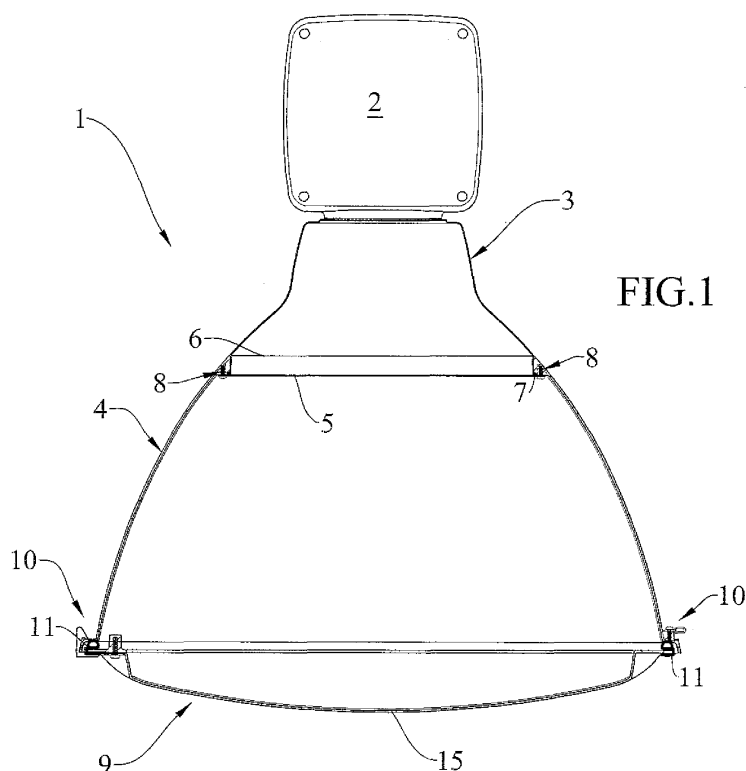


FIG.1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 06 11 1418

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 6 095 662 A (BURROUGHS FREDERICK C [US] ET AL) 1 August 2000 (2000-08-01) * column 9, line 60 - column 10, line 8; figure 12 *	1,6	INV. F21V31/00
Y	-----	3-5	ADD. F21W131/402
Y	US 1 992 196 A (DAUMAN SAMUEL S) 26 February 1935 (1935-02-26) * column 2, line 7 - line 10; figure 1 *	3	
Y	----- US 5 434 765 A (KELLY RICK M [US] ET AL) 18 July 1995 (1995-07-18) * column 6, line 23 - line 41 * * column 7, line 11 - line 19 * * figures 5,7 * -----	4,5	
			TECHNICAL FIELDS SEARCHED (IPC)
			F21V
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 29 November 2006	Examiner Allen, Katie
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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

EP 06 11 1418

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
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29-11-2006

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 6095662	A	01-08-2000	NONE		
US 1992196	A	26-02-1935	NONE		
US 5434765	A	18-07-1995	CA	2143372 A1	11-09-1995