



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**07.06.2000 Bulletin 2000/23**

(51) Int. Cl.<sup>7</sup>: **F21S 8/08**, F21V 7/12,  
F21V 23/04, F21V 21/30  
// F21W131:109, F21Y103:00

(43) Date of publication A2:  
**15.09.1999 Bulletin 1999/37**

(21) Application number: **99104224.3**

(22) Date of filing: **03.03.1999**

(84) Designated Contracting States:  
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE**  
Designated Extension States:  
**AL LT LV MK RO SI**

(72) Inventor: **Morfino, Giuseppe**  
**10025 Pino Torinese (IT)**

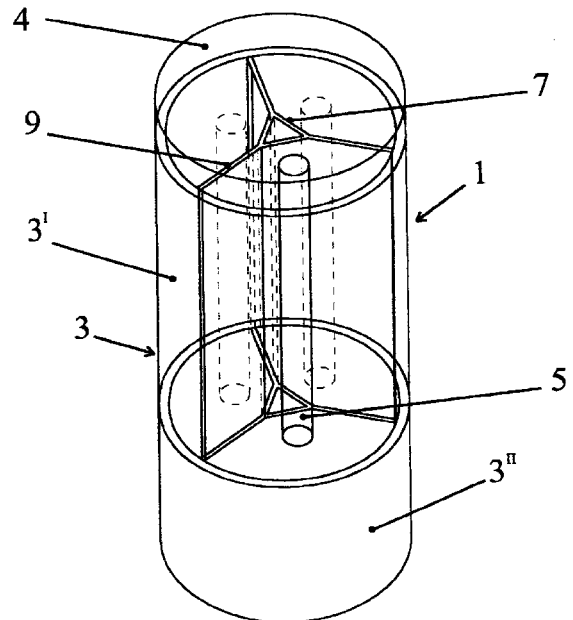
(30) Priority: **13.03.1998 IT TO980216**

(74) Representative:  
**Caramelli, Mariella**  
**c/o A.BRE.MAR. S.R.L.**  
**Via Servais 27**  
**10146 Torino (IT)**

(71) Applicant: **Morfino, Giuseppe**  
**10025 Pino Torinese (IT)**

(54) **Lighting device and lighting system using such device**

(57) There is described a lighting device (1) substantially comprising a support structure (3) at least partially composed of transparent material; at least two lighting means (5) arranged inside the structure (3), and electrically supplied and activated each one independently from the others; a separator and reflecting member (7), contained inside the support structure (3), adapted to mutually separate the lighting means (5), and further adapted to selectively reflect to the outside of the device (1) the light coming from the lighting means (5). A lighting device comprising such device (1) is further described.



**Fig. 1**



European Patent  
Office

EUROPEAN SEARCH REPORT

Application Number  
EP 99 10 4224

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	US 3 371 201 A (YONKERS EDWARD H) 27 February 1968 (1968-02-27) * column 1, line 1 - line 21 * * column 2, line 31 - column 4, line 3 * * figures 1,6,7 *	1-3,5,7	F21S8/08 F21V7/12 F21V23/04 F21V21/30 //F21W131:109, F21Y103:00
X	GB 888 810 A (AEI LAMP AND LIGHTING COMPANY LIMITED) 7 February 1962 (1962-02-07) * page 1, line 1 - line 30 * * page 2, line 16 - line 58 * * figure 1 *	1,5,7	
Y	---	2,3,6, 10-14 3	
A	---		
X	DE 32 33 000 A (WOLFF FRIEDRICH) 8 March 1984 (1984-03-08) * page 9, line 6 - page 10, line 4 * * figures 1-6,9 *	1,2,4,5	
Y	---	12	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
Y	US 4 851 738 A (YANG TAI-HER) 25 July 1989 (1989-07-25) * column 1, line 16 - line 21 * * column 3, line 59 - column 4, line 68 * * column 5, line 5 - line 27 * * column 11, line 30 - line 36 * * figures 1,2,28 *	10,11, 13,14	F21S F21V F21P
A	---	1,2,5	
		-/--	
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		20 April 2000	Cosnard, D
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 (P04C01)



European Patent  
Office

EUROPEAN SEARCH REPORT

Application Number  
EP 99 10 4224

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Y	DE 38 30 087 A (NOVA GMBH HANDELSGESELLSCHAFT) 30 March 1989 (1989-03-30) * column 2, line 22 - line 23 * * column 3, line 57 - column 4, line 42 * * figure *	12	
A	---	1,5,7,8, 11	
Y	US 2 574 886 A (H. PHILLIPS) 13 November 1951 (1951-11-13) * column 1, line 1 - line 34 * * column 4, line 41 - column 5, line 46 * * figures 1,3,5-7 *	2	
A	---	1,7	
Y	AU 43872 79 A (UNIV SYDNEY) 9 August 1979 (1979-08-09) * page 8, line 16 - page 9, line 4 * * figures 7,11 *	3	
A	---	1,2	
Y	US 5 207 504 A (SWIFT GERALD R ET AL) 4 May 1993 (1993-05-04)	6	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
A	* column 6, line 65 - column 7, line 6 * -----	1	
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		20 April 2000	Cosnard, D
<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                      &amp; : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03 82 (F04C01)

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

EP 99 10 4224

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.

20-04-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 3371201 A	27-02-1968	NONE	
-----			
GB 888810 A		NONE	
-----			
DE 3233000 A	08-03-1984	NONE	
-----			
US 4851738 A	25-07-1989	US 4645980 A	24-02-1987
		AT 57008 T	15-10-1990
		AU 573179 B	02-06-1988
		AU 1785683 A	16-02-1984
		EP 0101147 A	22-02-1984
-----			
DE 3830087 A	30-03-1989	NONE	
-----			
US 2574886 A	13-11-1951	NONE	
-----			
AU 4387279 A	09-08-1979	NONE	
-----			
US 5207504 A	04-05-1993	NONE	
-----			