

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 886 101 A3

(12)

## EUROPEAN PATENT APPLICATION

(88) Date of publication A3:  
02.11.2000 Bulletin 2000/44

(51) Int Cl. 7: F21Q 1/00

(43) Date of publication A2:  
23.12.1998 Bulletin 1998/52

(21) Application number: 98830368.1

(22) Date of filing: 17.06.1998

(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

(30) Priority: 19.06.1997 IT TO970530

(71) Applicant: C.R.F. Società Consortile per Azioni  
10043 Orbassano (TO) (IT)

(72) Inventors:  
• Perlo, Piero  
12048 Sommariva Bosco (Cuneo) (IT)

- Bigliati, Claudia  
13039 Trino (Vercelli) (IT)
- Lambertini, Vito  
10049 Giaveno (Torino) (IT)
- Repetto, Piermario  
10145 Torino (IT)
- Sinesi, Sabino  
10045 Piossasco (Torino) (IT)

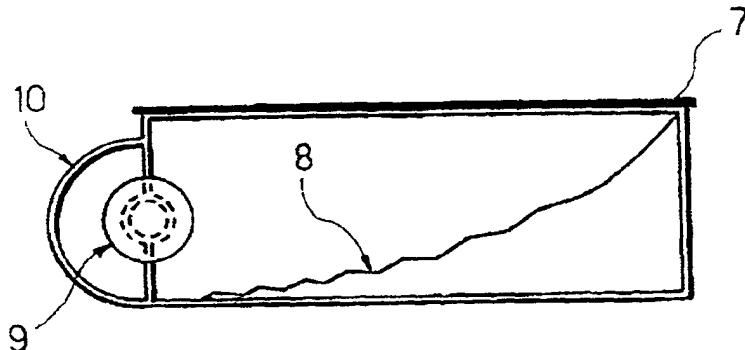
(74) Representative: Notaro, Giancarlo et al  
c/o Buzzi, Notaro & Antonielli d'Oulx srl,  
Corso Fiume 6  
10133 Torino (IT)

### (54) Lamp for motor-vehicles

(57) A motor-vehicle lamp comprises a hollow body (2) having a front aperture closed by a transparent plate (7) and a main reflective wall (8) facing the transparent plate (7). The body of the lamp has a relatively reduced dimension in the direction orthogonal to the transparent plate (7) and includes a light source (9) located at one side of the hollow body, with which there is associated

an auxiliary reflective element (10) to direct light rays emitted by the source (9) in a direction substantially parallel to the transparent plate (7), towards the main reflective wall (8), which is able to reflect these rays towards the transparent plate (7), so as to obtain a uniform light beam having the required characteristics coming out of said transparent plate.

FIG. 2



EP 0 886 101 A3



European Patent  
Office

## EUROPEAN SEARCH REPORT

Application Number  
EP 98 83 0368

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	EP 0 766 037 A (MAGNETI MARELLI SPA) 2 April 1997 (1997-04-02) * column 3, line 26 - column 4, line 25 * * column 5, line 41 - line 48 * * figures 1-5 *	1,3,4, 9-13	F21Q1/00		
Y,P	DE 196 24 244 A (BOSCH GMBH ROBERT) 2 January 1998 (1998-01-02) * column 3, line 25 - column 5, line 26 * * figures 1-3 *	1,3,4, 9-13			
A	GB 1 047 461 A (COURTNEY POPE (ELECTRICAL) LTD.) * page 1, line 51 - line 64 * * figures 1,2 *	1,11			
A	GB 1 021 159 A (LUCAS (INDUSTRIES) LTD.) * page 1, line 38 - page 2, line 12 * * figures 1,2 *	1			
A	EP 0 528 645 A (MINNESOTA MINING & MFG) 24 February 1993 (1993-02-24) * column 2, line 23 - column 3, line 45; figures 1-3 *	1	<table border="1"> <tr> <td>TECHNICAL FIELDS SEARCHED (Int.Cl.6)</td> </tr> <tr> <td>F21Q F21V</td> </tr> </table>	TECHNICAL FIELDS SEARCHED (Int.Cl.6)	F21Q F21V
TECHNICAL FIELDS SEARCHED (Int.Cl.6)					
F21Q F21V					
<p>The present search report has been drawn up for all claims</p>					
Place of search	Date of completion of the search	Examiner			
THE HAGUE	11 September 2000	De Mas, A			
CATEGORY OF CITED DOCUMENTS		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			
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					

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

EP 98 83 0368

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.

11-09-2000

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 0766037	A	02-04-1997	IT	T0950771 A		27-03-1997
DE 19624244	A	02-01-1998	US	5975723 A		02-11-1999
GB 1047461	A			NONE		
GB 1021159	A			NONE		
EP 0528645	A	24-02-1993	US	5190370 A		02-03-1993
			JP	5224020 A		03-09-1993