



(11) Publication number : **0 460 913 A3**

(12) **EUROPEAN PATENT APPLICATION**

(21) Application number : **91305037.3**

(51) Int. Cl.⁵ : **F21V 9/00, F21V 7/22,
F21V 9/04, H01K 1/32**

(22) Date of filing : **04.06.91**

(30) Priority : **04.06.90 JP 144486/90**

(43) Date of publication of application :
11.12.91 Bulletin 91/50

(84) Designated Contracting States :
DE GB

(88) Date of deferred publication of search report :
26.08.92 Bulletin 92/35

(71) Applicant : **TOSHIBA LIGHTING &
TECHNOLOGY CORPORATION**
4-28, Mita 1-chome
Minato-ku Tokyo (JP)

(72) Inventor : **Watanabe, Tsutomu**
206, 4-1-14, Maborikaigan
Yokosuka-shi, Kanagawa-ken (JP)

(74) Representative : **Muir, Ian R. et al**
HASELTINE LAKE & CO. Hazlitt House 28
Southampton Buildings Chancery Lane
London WC2A 1AT (GB)

(54) **A lighting unit having a lamp and a reflector.**

(57) The lighting unit of the present invention is composed of a lamp (11) having a first interference multi-layer filter as the first film (25) and a reflector (31) having a second interference multi-layer filter as the second film (35). The first interference multi-layer filter forms a visible light transparency/ infrared-ray reflecting film and the second interference multi-layer filter forms a infrared-ray transmitting/ visible light reflecting film.

Both the first interference multi-layer filter and the second interference multi-layer filter are likely to cause the range of wavelength of light transmitting and light reflecting to vary from the specific range. Therefore both the first film (25) and the second film (35) have means for preventing the above described variation (thickness varying according to the position of the films (25) and (35)).

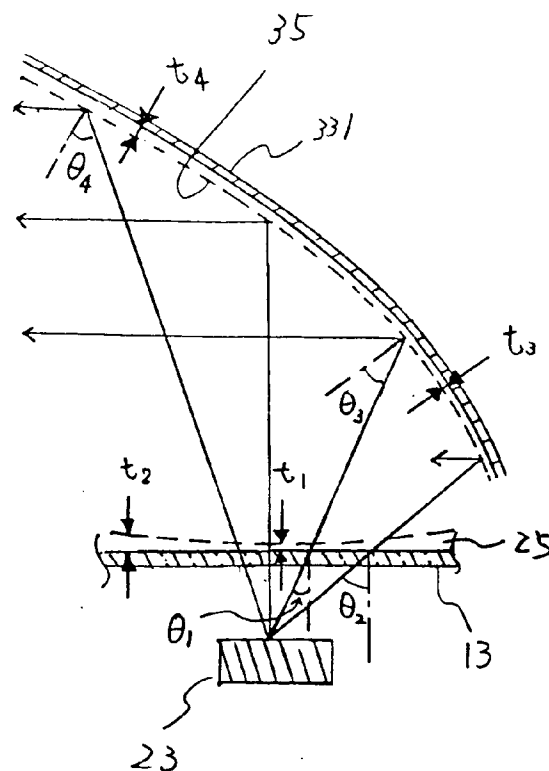


Fig. 4



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 91 30 5037

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.5)
Y	EP-A-0 339 130 (W.C. HERAEUS GMBH) * abstract; claims 1,2,4,7; figures 1A,18 * * column 3, line 10 - line 14 * * column 3, line 31 - line 42 *	1-3, 9, 10	F21V9/00 F21V7/22 F21V9/04 H01K1/32
A	---	5-8	
Y	DE-A-3 126 922 (EGYESULT IZZOLAMPA ES VILLAMOSSAGI RESZVENYTARSASAG) * abstract; claim 1 *	1-3, 9, 10	
A	---	5-8	
A	US-A-4 707 632 (WALSH) * column 1, line 46 - line 68 * * column 2, line 1 - line 17; claim 1 *	1, 2	
A	GB-A-2 202 645 (TUNGSRAM RESZVENYTARSASAG) * abstract; claim 1; figures 1,2 * -----	1, 2, 5, 6	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			F21V H01K G02B H01J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26 JUNE 1992	Examiner DE MAS A. G.
<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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