



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
30.05.2007 Bulletin 2007/22

(51) Int Cl.:
F21S 4/00 (2006.01)

(43) Date of publication A2:
17.01.2007 Bulletin 2007/03

(21) Application number: **06014448.2**

(22) Date of filing: **12.07.2006**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR MK YU

(72) Inventor: **Chen, Ming-Pei**
Anthai Town
Jinjang
Fujian 362261 (CN)

(30) Priority: **12.07.2005 CN 200510035968**

(74) Representative: **Danek, Vilem**
Vinohradska 45
12000 Praha (CZ)

(71) Applicant: **Chen, Ming-Pei**
Anthai Town
Jinjang
Fujian 362261 (CN)

(54) **A festival lamp string and its manufacturing method**

(57) The present invention involves to a festival lamp string comprised of cords (1), a certain number of sockets (2) and coordinated illuminators (3); said illuminators are individually and sequentially connected with the cords (1), said socket (2) is molded over the contacting portion of the illuminator and the cords (1) by filling package. In manufacturing, firstly connects the sockets (2) to the cords (1) sequentially and individually, then cover the decorated cap on the illuminator respectively, next place

the assembled cords and illuminator and the decorated cap into the inside of jetting molder (4) so that the contacting portions of the cords and illuminator and the decorated cap are exactly laid on the die cavity (41), finally inject resinoid into die so as to fill up all the cavity of the die to form a socket covering the contacting portions of the cords and illuminator and the decorated cap, the temperature of the resinoid is lower than 80°C, so a festival lamp string with decorated cap is manufactured.

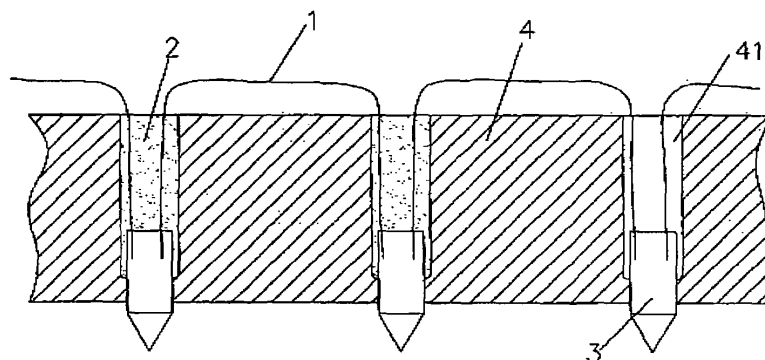


FIG.8



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 06 01 4448

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 6 416 203 B1 (FAN WONG TSUI-TUAN [TW]) 9 July 2002 (2002-07-09) * column 1, line 40 - column 2, line 62; figures 1-5 *	1,3	INV. F21S4/00
Y	-----	2,4	
X	GB 1 033 717 A (ASS ELECT IND) 22 June 1966 (1966-06-22) * column 1, line 10 - column 2, line 18; figure 1 *	1	
Y	-----	2,4	
A	US 2003/043579 A1 (RONG ZHU JIAN [US] ET AL) 6 March 2003 (2003-03-06) * paragraph [0006] - paragraph [0021]; figures 1-10 *	5,6	
			TECHNICAL FIELDS SEARCHED (IPC)
			F21S F21V H01R
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 20 April 2007	Examiner Arboreanu, Antoniu
<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</p> <p>& : member of the same patent family, corresponding document</p>			

4

EPO FORM 1503 03.82 (P04C01)

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

EP 06 01 4448

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.

20-04-2007

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6416203	B1	09-07-2002	NONE	

GB 1033717	A	22-06-1966	NONE	

US 2003043579	A1	06-03-2003	NONE	
