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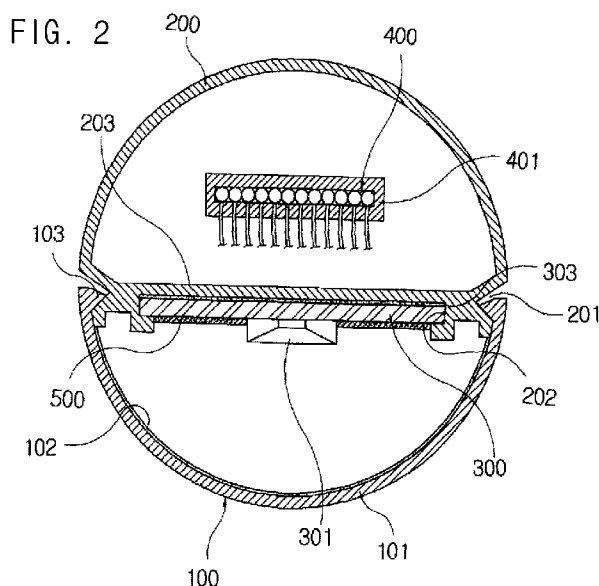
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(54) Title: FLUORESCENT LAMP USING LED



(57) Abstract: The present invention relates to a fluorescent lamp using a plurality of LEDs, and more particularly to an LED fluorescent lamp including a floodlight cap; a frame combined with the floodlight cap to form a cylinder type structure with the floodlight cap; an LED circuit board established between the floodlight cap and the frame and including a plurality of LEDs arranged with a predetermined interval; an insulation pad established on a surface of the LED circuit board; a driving circuit board established between the insulation pad and the frame, surrounded by an insulation tube and electrically connected with the LED circuit board; a cylinder type structure power supplying connection termination CT fixing both longitudinal ends of the floodlight cap and the frame, and connected with the driving circuit board. Therefore, the LED fluorescent lamp may decrease power consumption and an eyestrain and ensure a security of a user.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2008/006512**A. CLASSIFICATION OF SUBJECT MATTER****F21S 2/00(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 8 F21S 2/00, F21V 1/00, F21V 11/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS(KPA, PAJ, FPD, USPATFULL) in KIPO & Keyword : LED, ILLUMINATOR, LIGHT, TUBE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,283,612 B1 (MARK A.HUNTER) 4 September 2001 See abstract, col. 4, line 14- col. 5, line 46, Figures 1,3	1-5
A	US 6,776,504 B2 (THOMAS C.SLOAN et al.) 17 August 2004 See abstract, col. 6, line 7- col. 6, line 62, Figure 5	1-5
A	US 6,123,432 A (TAO-TANG FENG) 26 September 2000 See abstract, claim 1, Figure 4	1-5
A	JP 04-206205 A (MATSUSHITA ELECTRIC WORKS LTD.) 28 July 1992 See abstract, claim 1, Figure 3	1-5

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6283612 B1	04.09.2001	NONE	
US 6776504 B2	17.08.2004	AU 2003-253909 A1 EP 1540240 A1 US 6969179 B2 US 7448768 B2 US 2003-021115 A1 WO 2004-015326 A1	25.02.2004 15.06.2005 29.11.2005 11.11.2008 30.01.2003 19.02.2004
US 6123432 A	26.09.2000	NONE	
JP 04-206205 A	28.07.1992	NONE	