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(11) **EP 1 357 331 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
26.04.2006 Bulletin 2006/17

(51) Int Cl.:
F21S 4/00 ^(2006.01) **F21Y 101/02** ^(2006.01)

(43) Date of publication A2:
29.10.2003 Bulletin 2003/44

(21) Application number: **03252581.8**

(22) Date of filing: **24.04.2003**

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

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(30) Priority: **25.04.2002 CN 02117197**

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(54) **Flexible rod light device formed of chip on board based LED lamps and manufacturing method thereof**

(57) Flexible rod light device containing a string of chip on board (C.O.B.) based LED lamps (20) and manufacturing method thereof are disclosed. The device comprises an inner layer (10) including two parallel upward flanges (12,13) on sides and a lengthwise top groove (11) between the flanges; a string of C.O.B. based LED lamps (20) comprising a plurality of series connect-

ed units each including a C.O.B. based LED lamp (21) secured on the groove (11) and between the flanges (12,13), one or more conductor means (23), and a resistor (22); a pair of main wires (31,32) parallel disposed within the flanges (12,13); and a jacket (40) wrapped up the inner layer (10) and the string of lamps (20). All lamps are secured and have the same orientation for achieving an increased illumination.

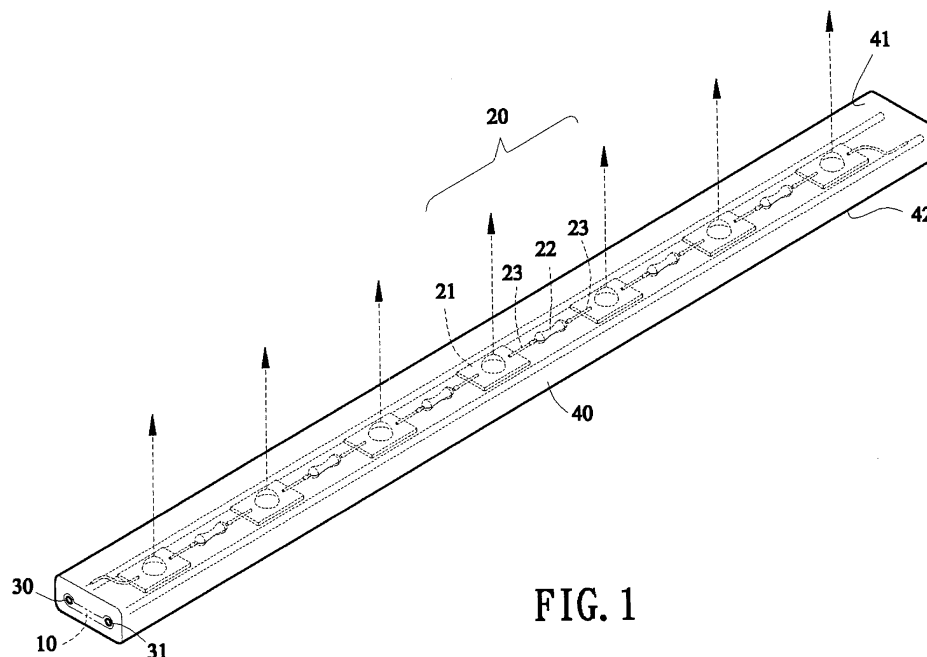


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 03 25 2581

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 8 March 2006	Examiner Amerongen, W
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			

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EPO FORM 1503 03/02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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