Title: COOLING DEVICE AND LED LIGHTING DEVICE COMPRISING THE SAME

Abstract: The present invention relates to a cooling device, comprising: at least one cooling body (1) each of which is provided with a vacuum sealing chamber (3) therein; and a cooling medium filled in the vacuum sealing chamber (3), wherein the cooling medium has a high heat capacity. The cooling device according to the present invention can provide a high heat capacity, satisfactorily overcome thermal shock, and also has fine thermal conductivity and then can effectively cool devices such as an LED lighting apparatus. Another aspect of the present invention also relates to a cooling device, comprising: at least one cooling body (1), wherein the at least one cooling body comprises an elongated bendable member. The cooling device has fine thermal conductivity and heat dissipation property, and is lighter in weight and more flexible in design. In addition, the present invention also relates to an LED lighting apparatus comprising the above types of cooling devices.

FIG.3b
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
INV. F21V29/00
ADD. F21Y101/02

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)
F21V

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

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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<th>Relevant to claim No.</th>
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<td>GB 2 250 087 A (ACTRONICS KK [JP]; AKACHI HISATERU [JP]) 27 May 1992 (1992-05-27) page 8, line 34 - page 29, line 14; figures 1-6, 9</td>
<td>1-7,10, 12-15</td>
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Further documents are listed in the continuation of Box C.

See patent family annex.

Date of the actual completion of the international search: 31 January 2012
Date of mailing of the international search report: 07/02/2012

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Authorized officer:
Schmid, Klaus
<table>
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