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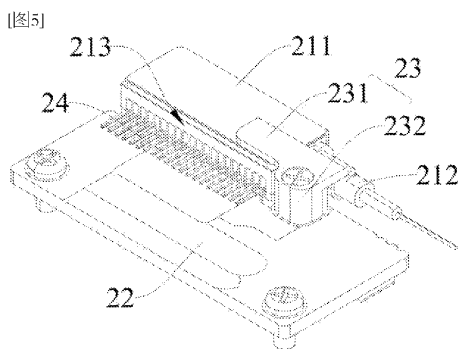
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(54) Title: OPTICAL MODULE

(54) 发明名称: 一种光模块



(57) Abstract: The present application discloses an optical module. The optical module comprises a shell and a light source assembly. The shell comprises: a first cover body, a heat sink being provided outside the first cover body; and a second cover body, the first cover body and the second cover body covering each other, an accommodating cavity being formed between the first cover body and the second cover body, and the light source assembly being arranged in the accommodating cavity. The light source assembly comprises an optical output device and a light source circuit board; the optical output device is electrically connected to the light source circuit board, and the light source circuit board is used for controlling the optical output device to output an optical signal; and the optical output device is fixed to the light source circuit board, and the light source circuit board is directly fixed to the first cover body, so that the optical output device is fixed to a position of the inner side of the first cover body corresponding to the heat sink and is in thermally conductive connection with the first cover body. According to the present application, by designing the assembling mode of the light source assembly and the shell of the optical module, more accommodating space is vacated in the shell, so that more devices can be assembled in the optical module, and the heat dissipation efficiency of the optical output device can be improved.

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根据细则4.17的声明:

- 关于发明人身份(细则4.17(i))
- 关于申请人有权申请并被授予专利(细则4.17(ii))
- 发明人资格(细则4.17(iv))

本国际公布:

- 包括国际检索报告(条约第21条(3))。
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(57) 摘要: 本申请公开了一种光模块。该光模块包括壳体以及光源组件, 壳体包括: 第一盖体, 外部设置有散热器; 以及第二盖体, 与第一盖体相互盖合, 且第一盖体与第二盖体之间具有容置腔, 光源组件设于容置腔中; 其中, 光源组件包括光输出器件以及光源电路板, 光输出器件与光源电路板电连接, 光源电路板用于控制光输出器件输出光信号; 光输出器件固定于光源电路板, 光源电路板直接固定于第一盖体, 使得光输出器件固定于第一盖体内侧与散热器相对应的位置, 并导热连接第一盖体。本申请通过设计光模块的光源组件与壳体的组装方式, 为壳体内腾出更多容纳空间, 以利于在光模块内组装更多器件, 且还能够提高光输出器件的散热效率。