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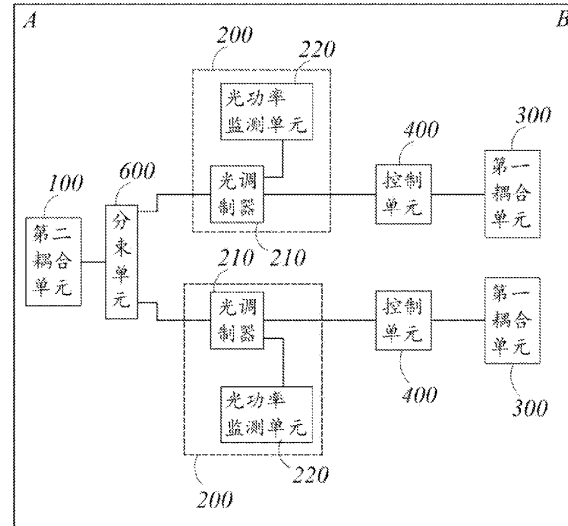
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(54) Title: LIGHT EMITTING CHIP AND OPTICAL MODULE

(54) 发明名称: 光发射芯片和光模块

[图1]



- 100 Second coupling unit
- 210 Light modulator
- 220 Optical power monitoring unit
- 300 First coupling unit
- 400 Control unit
- 600 Splitting unit

(57) Abstract: Disclosed in the present invention are a light emitting chip and an optical module. The light emitting chip comprises, in the transmission direction of optical signals, light modulation units and first coupling units, which are connected to each other, the light modulation units being used for modulating received light and then outputting same, and the first coupling units being provided at the output end of the light emitting chip and being used for receiving signal light output by the light modulation units after modulation, and coupling the signal light output after modulation and outputting same, and further comprises control units, wherein, when there is light that is reversely transmitted from the first coupling units to the light modulation units, the control units are used for at least preventing vertically polarized light from being transmitted to the light modulation units. The present invention can avoid the problem

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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))。

of relatively large light reflection at the output end of the light emitting chip caused by vertically polarized light being transmitted inside the light emitting chip.

(57) 摘要: 本发明揭示了一种光发射芯片和光模块, 光发射芯片沿光信号传输方向包括相互连接的光调制单元和第一耦合单元, 光调制单元用于将接收的光进行调制后输出, 第一耦合单元设置于光发射芯片的输出端, 用于接收光调制单元调制后输出的信号光, 并将调制后输出的信号光进行耦合后输出; 还包括控制单元, 用于当有光从第一耦合单元反向传输至光调制单元时, 控制单元至少阻止竖直偏振光向光调制单元传输。本发明可避免竖直偏振光于光发射芯片内传输而引起光发射芯片输出端较大光反射的问题。