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(54) Title: OPTICAL COMMUNICATION METHOD AND RELATED DEVICE

(54) 发明名称: 光通信方法及相关装置

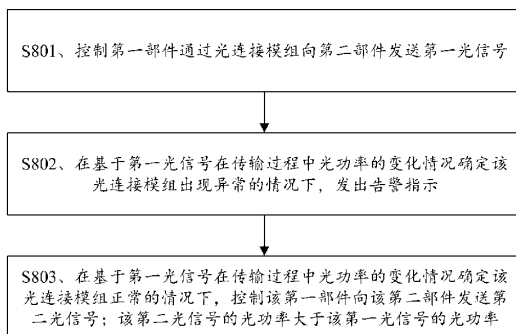


图 8

S801 Control a first component to send a first optical signal to a second component by means of an optical connection module

S802 When it is determined, on the basis of the change of the optical power of the first optical signal during transmission, that the optical connection module is abnormal, issue an alarm indication

S803 When it is determined, on the basis of the change of the optical power of the first optical signal during transmission, that the optical communication module is normal, control the first component to send a second optical signal to the second component, the optical power of the second optical signal being greater than the optical power of the first optical signal

(57) Abstract: Disclosed in embodiments of the present application are an optical communication method and a related device. The method is applied to an optical communication system, and the optical communication system comprises a first component, a second component, and an optical connection module connecting the first component and the second component. The method comprises: controlling the first component to send a first optical signal to the second component by means of the optical connection module; when it is determined, on the basis of the change of the optical power of the first optical signal during transmission, that the optical connection module is abnormal, issuing an alarm indication; and when it is determined, on the basis of the change of the optical power of the first optical signal during transmission, that the optical communication module is normal, controlling the first component to send a second

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optical signal to the second component, the optical power of the second optical signal being greater than the optical power of the first optical signal. The present application can save the cost of detecting an abnormality of an optical path of an optical connector and can find the abnormality in time.

(57) 摘要: 本申请实施例公开了一种光通信方法及相关装置, 该方法应用于光通信系统, 光通信系统包括第一部件、第二部件以及连接第一部件和第二部件的光连接模组。该方法包括: 控制第一部件通过光连接模组向第二部件发送第一光信号; 在基于第一光信号在传输过程中光功率的变化情况确定光连接模组出现异常的情况下, 发出告警指示; 在基于第一光信号在传输过程中光功率的变化情况确定光连接模组正常的情况下, 控制第一部件向第二部件发送第二光信号; 第二光信号的光功率大于第一光信号的光功率。本申请能够节省光连接器光路异常检测的成本并可以及时发现异常。