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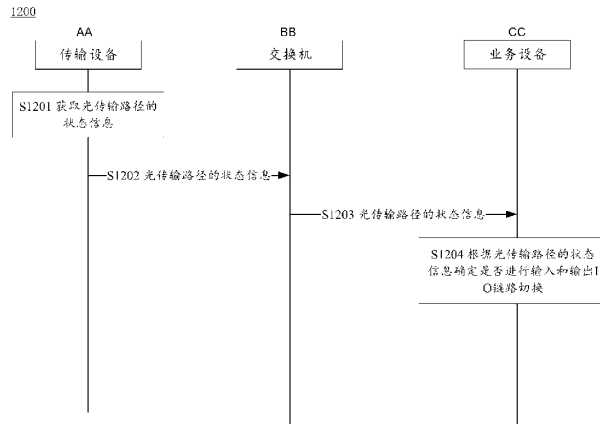
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(54) Title: OPTICAL TRANSMISSION DEVICE, SERVICE DEVICE, AND SERVICE TRANSMISSION METHOD AND SYSTEM

(54) 发明名称: 一种光传输设备、业务设备、业务传输的方法和系统



S1201 Obtain state information of an optical transmission path  
S1202 State information of optical transmission path  
S1203 State information of optical transmission path  
S1204 Determine, according to the state information of the optical transmission path, whether to perform input and output (IO) link switching

AA Transmission device  
BB Switch  
CC Service device

图 12

(57) Abstract: The present application provides an optical transmission device, a service device, and a service transmission method and system. The optical transmission device comprises: a first transceiver, an optical transceiver module, and a processor. The first transceiver is configured to receive a service message from a switch. The optical transceiver module is configured to send the service message to a target optical transmission device. The processor is configured to obtain state information of an optical transmission path for transmitting the service message, and send the state information of the optical transmission path to the service device. The service device is configured to generate the service message. In the optical transmission device provided by the present application, when a transmission anomaly occurs in the optical transmission path, the abnormal transmission condition can be quickly obtained, so that the

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BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR,  
HR, HU, IE, IS, IT, LT, LU, LV, MC, ME, MK, MT, NL,  
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system can take corresponding measures to ensure normal transmission of the service message, thereby realizing quick switching of  
services, and achieving the purpose of improving system performance.

(57) 摘要: 本申请提供了一种光传输设备、业务设备、业务传输的方法和系统。该光传输备包括: 第  
一收发器、光收发模块和处理器。其中, 第一收发器用于接收来自交换机的业务报文。光收发模块用于  
向目标光传输设备发送业务报文。处理器用于获取传输所述业务报文的光传输路径的状态信息, 并将  
光传输路径的状态信息发送给业务设备。该业务设备用于产生业务报文。本申请提供的光传输设备,  
能够当光传输路径发生传输异常时, 快速地获知传输异常的情况, 使得系统能够采取相应的措施保  
证业务报文的正常传输, 实现了业务的快速倒换, 从而达到提升系统性能的目的。