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— 包括国际检索报告(条约第21条(3))。

(54) Title: METHOD AND APPARATUS FOR INFORMATION SYNCHRONIZATION BETWEEN SWITCHES

(54) 发明名称: 交换机之间的信息同步方法及装置

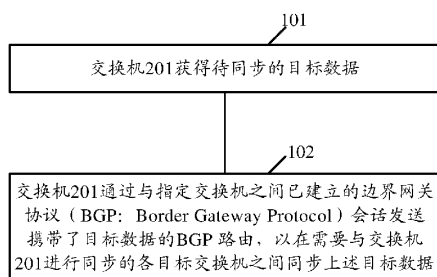


图 1

- 101 A switch 201 obtains target data to be synchronized
- 102 The switch 201 sends, by means of a border gateway protocol (BGP) session established between the switch and a designated switch, BGP routing carrying target data, so as to synchronize the target data among target switches needing to perform synchronization with the switch 201

(57) Abstract: The present application provides a method and apparatus for information synchronization between switches. In the present application, the existing BGP is expanded to implement automatic synchronization, between the switches in a SAN, of target data to be synchronized, such as IP service domain configuration information of an access device and/or device discovery information of the access device and/or whether the switches support the information of a default IP service domain, such that all switches among which synchronization is needed in the SAN timely perceive the change of an opposite side, such as new access of the access device, newly adding or modifying the IP service domain configuration information, and turning on or turning off the switches to support functions the default IP service domain; related configuration is intelligently adjusted timely, thereby implementing plug-and-play and rapid fault sensing, and finally, assisting in implementation of no packet loss and high throughput transmission of the Ethernet in the SAN.

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(57) 摘要：本申请提供了交换机之间的信息同步方法及装置。本申请中，通过对现有BGP进行扩展实现SAN中交换机之间自动同步待同步的目标数据比如接入设备的IP业务域配置信息和/或接入设备的设备发现信息和/或交换机是否支持默认IP业务域的信息等，使得SAN中相互之间需要同步的所有交换机之间及时感知对方的变化比如接入设备的新接入、IP业务域配置信息新增或更改、交换机开启或关闭支持默认IP业务域的功能等，及时智能调整相关配置，实现即插即用和故障快速感知，最终协助实现了SAN中以太网的无丢包、高吞吐传输。