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— 包括国际检索报告(条约第 21 条(3))。

(54) Title: METHOD, DEVICE AND WIRELESS COMMUNICATION SYSTEM FOR DUAL-NETWORK BACKUP

(54) 发明名称: 双网备份的方法、设备和无线通信系统

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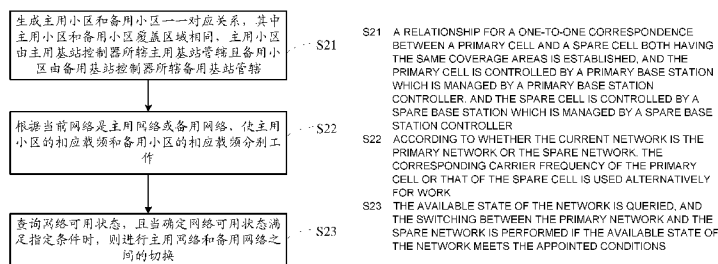


图 2 / FIG. 2

(57) Abstract: Provided are a method, a device and a wireless communication system for dual-network backup. The method comprises: a relationship for a one-to-one correspondence between a primary cell and a spare cell is established, the primary cell and the spare cell both have the same coverage areas, and the primary cell is controlled by a primary base station which is managed by a primary base station controller, and the spare cell is controlled by a spare base station which is managed by a spare base station controller (S21); according to whether the current network is the primary network or the spare network, the corresponding carrier frequency of the primary cell or that of the spare cell is used alternatively for work (S22); the available state of the network is queried, and the switching between the primary network and the spare network is performed if the available state of the network meets the appointed conditions (S23). The reliability of the mobile network, in which one cell is a unit, is more sufficiently guaranteed by the above-mentioned technique solution, which binds the primary cell and the spare cell and configures the corresponding carrier frequency to work according to the state of the primary or spare network, then switches between the primary network and the spare network according to the available state of the network.

(57) 摘要:

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本发明实施例提供了一种双网备份的方法、设备和无线通信系统。所述方法包括：生成主用小区和备用小区一一对应关系，其中主用小区和备用小区覆盖区域相同，主用小区由主用基站控制器所辖主用基站管辖且备用小区由备用基站控制器所辖备用基站管辖（S21）；根据当前网络是主用网络或备用网络，使主用小区的相应载频和备用小区的相应载频分别工作（S22）；查询网络可用状态，且当确定网络可用状态满足指定条件时，则进行主用网络和备用网络之间的切换（S23）。上述技术方案通过绑定主用小区和备用小区的对应关系，根据主用网络或备用网络状态，配置相应载频工作，且根据网络可用状态，进行主用网络或备用网络之间的切换，从而以小区为单位更充分地保障移动网络可靠性。