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(71) 申请人: 华为技术有限公司 (HUAWEI TECHNOLOGIES CO., LTD.) [CN/CN]; 中国广东省深圳市龙岗区坂田华为总部办公楼, Guangdong 518129 (CN)。

(72) 发明人: 潘栋成(PAN, Dongcheng); 中国广东省深圳市龙岗区坂田华为总部办公楼, Guangdong 518129 (CN)。 陈鹏(CHEN, Peng); 中国广东省深圳市龙岗区坂田华为总部办公楼, Guangdong 518129 (CN)。 杨博(YANG, Bo); 中国广东省深圳市龙岗区坂田华为总部办公楼, Guangdong 518129 (CN)。 胡寅亮(HU, Yinliang); 中国广东省深圳市龙岗区坂田华为总部办公楼, Guangdong 518129 (CN)。 王军辉(WANG, Junhui); 中国广东省深圳市龙岗区坂田华为总部办公楼, Guangdong 518129 (CN)。

(74) 代理人: 北京同达信恒知识产权代理有限公司 (TDIP & PARTNERS); 中国北京市西城区裕民路 18 号北环中心 A 座 2002, Beijing 100029 (CN)。

(54) Title: CHANNEL MEASUREMENT METHOD AND COMMUNICATION DEVICE

(54) 发明名称: 一种信道测量方法及通信装置

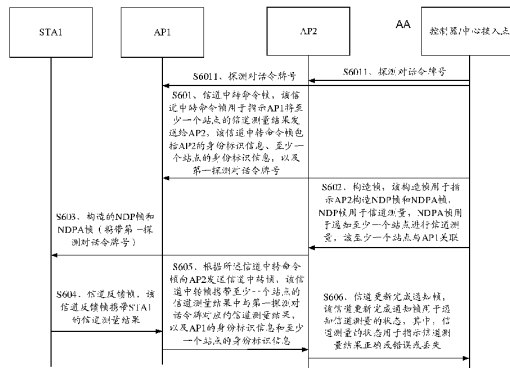


图 6

S601 CHANNEL RELAY COMMAND FRAME, THE CHANNEL RELAY COMMAND FRAME BEING USED TO INSTRUCT THE AP1 TO SEND CHANNEL MEASUREMENT RESULTS OF AT LEAST ONE STATION TO THE AP2, AND THE CHANNEL RELAY COMMAND FRAME COMPRISING IDENTITY IDENTIFICATION INFORMATION OF THE AP2, IDENTITY IDENTIFICATION INFORMATION OF THE AT LEAST ONE STATION, AND A FIRST SOUNDING SESSION TOKEN NUMBER

S602 CONSTRUCTION FRAME, THE CONSTRUCTION FRAME BEING USED TO INSTRUCT THE AP2 TO CONSTRUCT AN NDP FRAME AND AN NDPA FRAME, WHEREIN THE NDP FRAME IS USED FOR CHANNEL MEASUREMENT, THE NDPA FRAME IS USED TO NOTIFY THE AT LEAST ONE STATION TO PERFORM CHANNEL MEASUREMENT, AND THE AT LEAST ONE STATION IS ASSOCIATED WITH THE AP1

S603 CONSTRUCTED NDP FRAME AND NDPA FRAME (CARRYING THE FIRST SOUNDING SESSION TOKEN NUMBER)

S604 CHANNEL FEEDBACK FRAME, THE CHANNEL FEEDBACK FRAME CARRYING THE CHANNEL MEASUREMENT RESULT OF THE STA1

S605 ACCORDING TO THE CHANNEL RELAY COMMAND FRAME, SEND A CHANNEL RELAY FRAME TO THE AP2, WHEREIN THE CHANNEL RELAY FRAME CARRIES A CHANNEL MEASUREMENT RESULT, WHICH CORRESPONDS TO A FIRST SOUNDING SESSION TOKEN, AMONG THE CHANNEL MEASUREMENT RESULTS OF THE AT LEAST ONE STATION, AND IDENTITY IDENTIFICATION INFORMATION OF THE AT LEAST ONE STATION

S606 CHANNEL UPDATE COMPLETION NOTIFICATION FRAME, THE CHANNEL UPDATE COMPLETION NOTIFICATION FRAME BEING USED TO GIVE NOTIFICATION OF THE STATE OF CHANNEL MEASUREMENT, WHEREIN THE STATE OF CHANNEL MEASUREMENT IS USED TO INDICATE THAT THE CHANNEL MEASUREMENT RESULTS ARE CORRECT OR WRONG OR LOST

S6011 SOUNDING SESSION TOKEN NUMBER

AA CONTROLLER/CENTRAL ACCESS POINT

(57) Abstract: Disclosed in the present application are a channel measurement method and a communication device. The method comprises: a first access point receiving a channel relay command frame from a controller or a central access point, and according to the channel relay command frame, sending a channel relay frame to a second access point, wherein the channel relay command frame can be used to instruct the first access point to send channel measurement results of at least one station to the second access point, the channel relay command frame comprises a first sounding session token number, and the channel relay frame carries a channel

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measurement result, which corresponds to a first sounding session token, among channel measurement results of multiple stations. In the method, at least one station is associated with a first access point, and after a channel relay command frame is received, the first access point forwards channel measurement results of at least one station to a second access point. Thus, channel measurement across access points is realized, multiple access points deployed at the same frequency sending data in parallel can be satisfied, and the data transmission rate in the entire wireless network is improved.

(57) 摘要: 本申请公开了一种信道测量方法及通信装置, 该方法包括: 第一接入点接收来自控制器或中心接入点的信道中转命令帧, 并根据信道中转命令帧向第二接入点发送信道中转帧, 其中, 该信道中转命令帧可用于指示第一接入点将至少一个站点的信道测量结果发送给第二接入点, 信道中转命令帧包括第一探测对话令牌号, 信道中转帧携带多个站点的信道测量结果中与第一探测对话令牌对应的信道测量结果。在该方法中, 至少一个站点与第一接入点关联, 第一接入点在接收到信道中转命令帧之后, 将至少一个站点的信道测量结果转发给第二接入点。从而实现跨接入点的信道测量, 可满足同频部署的多个接入点并行地发送数据, 提升整个无线网络中数据的传输速率。