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(54) Title: CHANNEL ACCESS METHOD AND RELATED APPARATUS

(54) 发明名称: 一种信道接入方法及相关装置

信道接入方法100

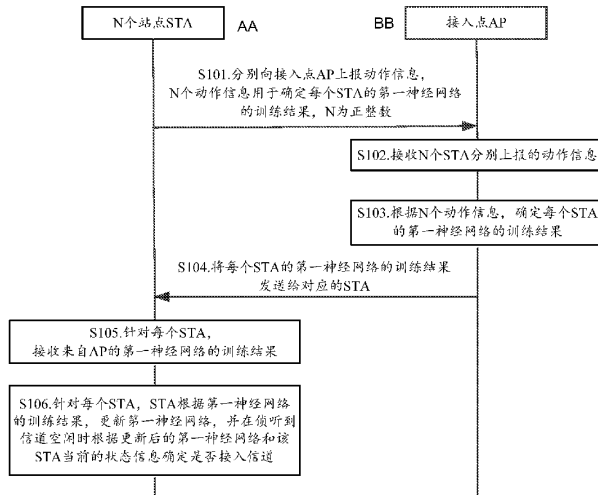


图 3

100 Channel access method
S101 Respectively report action information to the AP, wherein N pieces of action information are used for determining a training result of a first neural network of each STA, N being a positive integer
S102 Receive the action information respectively reported by the N STAs
S103 Determine the training result of the first neural network of each STA according to the N pieces of action information
S104 Send the training result of the first neural network of each STA to the corresponding STA
S105 For each STA, receive the training result of the first neural network from the AP
S106 For each STA, the STA updates the first neural network according to the training result of the first neural network, and when it is detected that a channel is idle, the STA determines, according to the updated first neural network and the current state information of the STA, whether to access the channel
AA N stations (STAs)
BB Access point (AP)

(57) Abstract: Provided in the present application are a channel access method and a related apparatus. The method comprises: an access point (AP) receiving action information respectively reported by N stations (STAs), wherein N pieces of action information are used for determining a training result of a first neural network of each STA, N being a positive integer; and the AP determining the training result of the first neural network of each STA according to the N pieces of action information, and sending, to the corresponding STA, the training result of the first neural network of each STA. A training result of a first neural network of each STA is determined according to action information reported by N STAs, rather than only according to action information of the STA itself, such that the prediction capability of the first neural network can be improved, thereby facilitating an improvement in the prediction capability of

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each STA for channel access behaviors of the other STAs, and thus facilitating an improvement in the throughput of a system and reducing a communication delay.

(57) 摘要: 本申请提供了一种信道接入方法及相关装置。该方法中, 接入点AP接收N个站点STA分别上报的动作信息, N个动作信息用于确定每个STA的第一神经网络的训练结果, N为正整数; 从而AP根据该N个动作信息, 确定每个STA的第一神经网络的训练结果, 并将每个STA的第一神经网络的训练结果发送给对应的STA。每个STA的第一神经网络的训练结果是根据N个STA上报的动作信息确定的, 而不是只根据自身STA的动作信息确定的, 可提高第一神经网络的预测能力, 从而有利于提高每个STA对其他STA信道接入行为的预测能力, 进而有利于提高系统的吞吐量和降低通信时延。