

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织  
国际局

(43) 国际公布日  
2020 年 9 月 17 日 (17.09.2020)



(10) 国际公布号  
WO 2020/181697 A1

(51) 国际专利分类号:  
H04W 36/00 (2009.01)

(21) 国际申请号: PCT/CN2019/095274

(22) 国际申请日: 2019 年 7 月 9 日 (09.07.2019)

(25) 申请语言: 中文

(26) 公布语言: 中文

(30) 优先权:  
201910191528.4 2019 年 3 月 14 日 (14.03.2019) CN

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(81) 指定国(除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK,

(54) Title: NETWORK OPTIMIZATION METHOD BASED ON WEARABLE DEVICE, AND WEARABLE DEVICE

(54) 发明名称: 一种基于可穿戴设备的网络优化方法及可穿戴设备

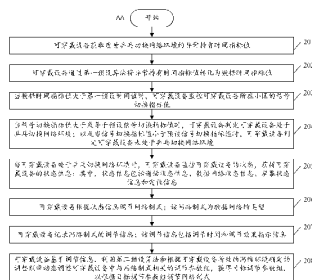


图 2

201 A wearable device acquires an abnormal ping-pong handover network environment.  
202 The wearable device converts the abnormal ping-pong handover network environment into a data time index value through a first pre-set algorithm.  
203 When the data time index value is greater than a first pre-set time value, the wearable device monitors a signal handover index value of a cell where the wearable device is located.  
204 When the signal handover index value is greater than or equal to a pre-set signal handover index value, the wearable device determines that the wearable device is in the ping-pong handover network environment.  
205 When the wearable device is in the ping-pong handover network environment, the wearable device monitors the state of the wearable device to obtain state information of the wearable device, wherein the state information comprises call state information, data network state information, screen state information and positioning information.  
206 The wearable device adjusts a network standard according to the state information, wherein the network standard is the type of a data network.  
207 The wearable device records adjustment information of the network standard, wherein the adjustment information comprises an adjustment time and an adjustment effect indication information.  
208 The wearable device dynamically adjusts, based on the adjustment information, by using a second pre-set algorithm and according to an adjustment frequency determined by a network environment where the wearable device is located, adjustment parameter groups, related to the network standard, in the wearable device, and obtains a target adjustment parameter group so as to adjust the network standard according to the target adjustment parameter group.

(57) Abstract: The embodiments of the present invention relate to the technical field of communications. Disclosed are a network optimization method based on a wearable device, and a wearable device. The method comprises: detecting whether a wearable device is in a ping-pong handover network environment; if so, monitoring the state of the wearable device to obtain state information of the wearable device, wherein the state information comprises call state information, data network state information, screen state information and positioning information; adjusting a network standard according to the state information, wherein the network standard is the type of a data network; recording adjustment information of the network standard, wherein the adjustment information comprises an adjustment time and adjustment effect indication information; and according to the adjustment information, dynamically adjusting adjustment parameter groups, related to the network standard, in the wearable device, and obtaining a target adjustment parameter group so as to adjust the network standard according to the target adjustment parameter group. By implementing the embodiments of the present invention, power consumption can be reduced in a ping-pong handover network environment, and the endurance time of a wearable device can be prolonged.

(57) 摘要: 本发明实施例涉及通信技术领域, 公开了一种基于可穿戴设备的网络优化方法及可穿戴设备, 该方法包括: 检测可穿戴设备是否处于乒乓切换网络环境; 如果是, 监控可穿戴设备的状态, 获得可穿戴设备的状态信息, 其中, 状态信息包括通话状态信息、数据网络状态信息、屏幕状态信息和定位信息; 根据状态信息调节网络制式, 该网络制式为数据网络的类型; 记录网络制式的调节信息, 该调节信息包括调节时间和调节效果指示信息; 根据调节信息动态调整可穿戴设备中与网络制式相关的调节参数组, 获得目标调节参数组, 以根据目标调节参数组调节网络制式。实施本发明实施例, 能够在乒乓切换网络环境下降低功耗, 延长可穿戴设备的续航时间。

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US, UZ, VC, VN, ZA, ZM, ZW。

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