

(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



(10) 国际公布号
WO 2018/000221 A1

(43) 国际公布日
2018 年 1 月 4 日 (04.01.2018)

(51) 国际专利分类号:
H04W 28/08 (2009.01)

(21) 国际申请号: PCT/CN2016/087581

(22) 国际申请日: 2016 年 6 月 29 日 (29.06.2016)

(25) 申请语言: 中文

(26) 公布语言: 中文

(71) 申请人: 北京小米移动软件有限公司 (BEIJING XIAOMI MOBILE SOFTWARE CO., LTD.) [CN/CN]; 中国北京市海淀区清河中街 68 号华润五彩城购物中心二期 9 层 01 房间, Beijing 100085 (CN)。

(72) 发明人: 洪伟 (HONG, Wei); 中国北京市海淀区清河中街 68 号华润五彩城购物中心二期 9 层 01 房间, Beijing 100085 (CN)。周珏嘉 (ZHOU,

Juejia); 中国北京市海淀区清河中街 68 号华润五彩城购物中心二期 9 层 01 房间, Beijing 100085 (CN)。张明 (ZHANG, Ming); 中国北京市海淀区清河中街 68 号华润五彩城购物中心二期 9 层 01 房间, Beijing 100085 (CN)。

(74) 代理人: 北京三高永信知识产权代理有限公司 (BEIJING SAN GAO YONG XIN INTELLECTUAL PROPERTY AGENCY CO., LTD.); 中国北京市海淀区学院路蓟门里和景园 A 座 1 单元 102 室, Beijing 100088 (CN)。

(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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA,

(54) Title: INFORMATION DELIVERY METHOD, DATA SENDING METHOD, APPARATUS AND SYSTEM

(54) 发明名称: 信息下发方法、数据发送方法、装置及系统

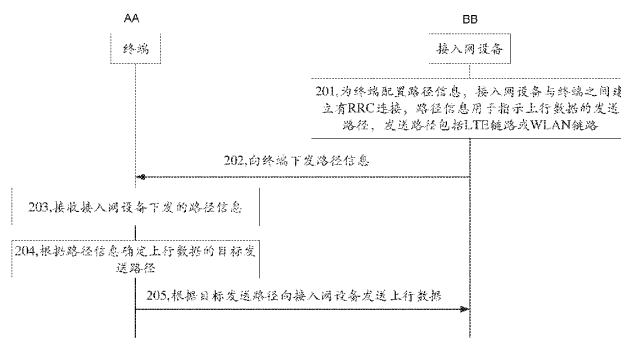


图 2

202 Configure path information for the terminal, an RRC connection being established between the access network device and the terminal, the path information being used for indicating a sending path for uplink data, and the sending path comprises an LTE link or a WLAN link
203 Deliver the path information to the terminal
204 Determine a target sending path for the uplink data according to the path information
205 Send uplink information to the access network device according to the target sending path
AA Terminal
BB Access network device

(57) Abstract: The present invention relates to the field of communications, and provides an information delivery method, a data sending method, apparatus and system. The information delivery method comprises: an access network device configures path information for a terminal, an RRC connection being established between the access network device and the terminal, the path information being used for indicating a sending path for uplink data, and the sending path comprises a mobile communication link or a WLAN link; the access network device delivers the path information to the terminal, the terminal being configured to determine a target sending path for the uplink data according to the path information and sends the uplink data to the access network device according to the target sending path. Embodiments of the present invention enable a terminal to send uplink data on the basis of a sending path configured

[见续页]

MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI,
NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU,
RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA,
ZM, ZW。

- (84) 指定国 (除另有指明, 要求每一种可提供的地区
保护): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ,
NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), 欧亚 (AM,
AZ, BY, KG, KZ, RU, TJ, TM), 欧洲 (AL, AT, BE, BG,
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,
IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT,
RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI,
CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG)。

本国际公布:

- 包括国际检索报告 (条约第21条(3))。

by an access network device and make full use of a mobile communication link and a WLAN link for data transmission, thereby avoiding congestion caused by using a single link, and improving uplink data transmission efficiency and the performance of a mobile communication system.

(57) 摘要: 本公开提供了一种信息下发方法、数据发送方法、装置及系统, 涉及通信领域, 所述信息下发方法包括: 接入网设备为终端配置路径信息, 接入网设备与终端之间建立有RRC连接, 路径信息用于指示上行数据的发送路径, 发送路径包括移动通信链路或WLAN链路; 接入网设备向终端下发路径信息, 终端被配置为根据路径信息确定上行数据的目标发送路径, 并根据目标发送路径向接入网设备发送上行数据。本公开实施例达到了终端基于接入网设备配置的发送路径发送上行数据, 充分利用移动通信链路和WLAN链路进行数据传输, 避免了利用单一链路造成的拥塞, 提高了上行数据传输效率以及移动通信系统的性能。