

(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 2023/066316 A1

(43) 国际公布日
2023 年 4 月 27 日 (27.04.2023)

(51) 国际专利分类号:
H04W 4/06 (2009.01)

(21) 国际申请号: PCT/CN2022/126257

(22) 国际申请日: 2022 年 10 月 19 日 (19.10.2022)

(25) 申请语言: 中文

(26) 公布语言: 中文

(30) 优先权:
202111236108.7 2021 年 10 月 22 日 (22.10.2021) CN

(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: 刘南南 (LIU, Nannan); 中国广东省深圳市龙岗区坂田华为总部办公楼, Guangdong

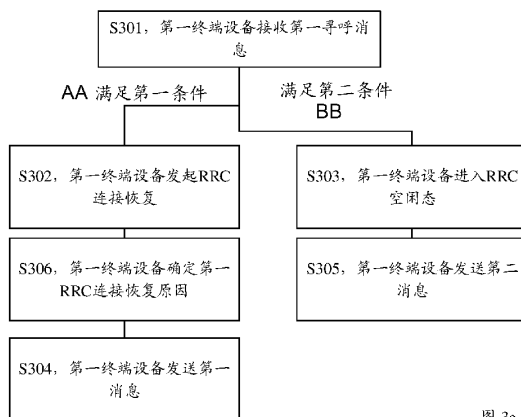
518129 (CN)。李秉肇 (LI, Bingzhao); 中国广东省深圳市龙岗区坂田华为总部办公楼, Guangdong 518129 (CN)。

(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)。

(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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, 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,

(54) Title: COMMUNICATION METHOD AND APPARATUS, AND STORAGE MEDIUM

(54) 发明名称: 一种通信方法、装置和存储介质



S301 A first terminal device receives a first paging message
S302 The first terminal initiates RRC connection recovery
S303 The first terminal device enters an RRC idle state
S304 The first terminal device ends a first message
S305 The first terminal device sends a second message
S306 The first terminal device determines a first RRC connection recovery cause
AA Satisfy a first condition
BB Satisfy a second condition

图 3a

(57) Abstract: Embodiments of the present application provide a communication method and apparatus, and a storage medium, for use in paging, by means of a paging message, a terminal device joining a multicast service, such that the terminal device attempts to enter a radio resource control (RRC) connection state to receive data of the multicast service. In the present application, a terminal device receives a first paging message, and initiates RRC connection recovery in the case that a first condition is satisfied, wherein the first condition comprises that: the first paging message comprises an identifier of a first multicast service, and comprises no identifier of the terminal device, or the first paging message comprises the identifier of the first multicast service and a first identifier of the terminal device, wherein the first identifier is associated with RAN paging. Because the identifier of the first multicast service can be carried in the first paging message, the terminal device corresponding to the first multicast service can be paged by means of the first paging message, such that the terminal device attempts to enter an RRC connection mode on the basis of the first paging message, to receive data of the first multicast service.

[见续页]

SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VC, VN, WS, 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, CV, 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, ME, 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))。

(57) 摘要: 本申请实施例提供一种通信方法、装置和存储介质, 用于通过寻呼消息寻呼加入组播业务的终端设备, 以使其尝试进入RRC连接态以接收组播业务的数据。本申请中, 终端设备接收第一寻呼消息, 在满足第一条条件的情况下发起无线资源控制RRC连接恢复。其中, 第一条条件包括: 第一寻呼消息包括第一组播业务的标识, 且不包括终端设备的标识; 或, 第一寻呼消息包括第一组播业务的标识和终端设备的第一标识; 其中, 第一标识与RAN寻呼关联。由于可以在第一寻呼消息中携带第一组播业务的标识, 因此可以通过第一寻呼消息寻呼第一组播业务对应的终端设备, 以使终端设备基于第一寻呼消息尝试进入RRC连接态以接收第一组播业务的数据。