

(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 2020/168556 A1

(43) 国际公布日
2020 年 8 月 27 日 (27.08.2020)

- (51) 国际专利分类号:
H04W 16/28 (2009.01) *H04L 1/00* (2006.01)
H04B 7/0408 (2017.01)
- (21) 国际申请号: PCT/CN2019/075909
- (22) 国际申请日: 2019 年 2 月 22 日 (22.02.2019)
- (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]; 中国北京市海淀区西二旗中路 33 号院 6 号楼 8 层 018 号, Beijing 100085 (CN)。
- (72) 发明人: 李明菊 (LI, Mingju); 中国北京市海淀区西二旗中路 33 号院 6 号楼 8 层 018 号, 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, 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, LR, LS, LU, LY, MA, 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。

(54) Title: DATA TRANSMISSION METHOD AND APPARATUS, AND STORAGE MEDIUM

(54) 发明名称: 数据传输方法、装置及存储介质

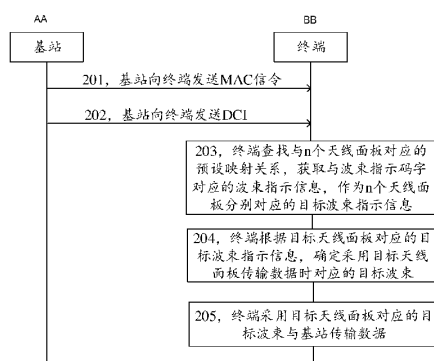


图 2

- 201 The base station sending a MAC signaling to the terminal
202 The base station sending DCI to the terminal
203 The terminal searching for a preset mapping corresponding to n antenna panels, and acquiring beam indication information corresponding to a beam indication code word, which serves as target beam indication information respectively corresponding to the n antenna panels
204 According to the target beam indication information corresponding to a target antenna panel, the terminal determining a target beam corresponding to when using the target antenna panel to transmit data
205 The terminal using the target beam corresponding to the target antenna panel to transmit data with the base station
AA Base station
BB Terminal

(57) Abstract: The present disclosure relates to the technical field of communications, and relates to a data transmission method and apparatus, and a storage medium. The method comprises: a base station sending a MAC signaling to a terminal; the base station sending DCI to the terminal; the terminal searching for a preset mapping corresponding to n antenna panels, and acquiring beam indication information corresponding to a beam indication code word, which serves as target beam indication information respectively corresponding to the n antenna panels; according to the target beam indication information corresponding to a target antenna panel, the terminal determining a target beam corresponding to when using the target antenna panel to transmit data; and the terminal using the target beam corresponding to the target antenna panel to transmit data with the base station. By means of the described means, the success rate of data transmission in a scenario of multiple antenna panels is increased.

(57) 摘要: 本公开是关于一种数据传输方法、装置及存储介质, 属于通信技术领域。所述方法包括: 基站向终端发送MAC信令; 基站向终端发送DCI; 终端查找与n个天线面板对应的预设映射关系, 获取与波束指示码字对应的波束指示信息, 作为n个天线面板分别对应的目标波束指示信息; 终端根据目标天线面板对应的目标波束指示信息, 确定采用目标天线面板传输数据时对应的目标波束; 终端采用目标天线面板对应的目标波束与基站传输数据。通过上述方式, 提升多天线面板场景下数据传输的成功率。

[见续页]

WO 2020/168556 A1

(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))。