

(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 2022/082373 A1

(43) 国际公布日
2022 年 4 月 28 日 (28.04.2022)

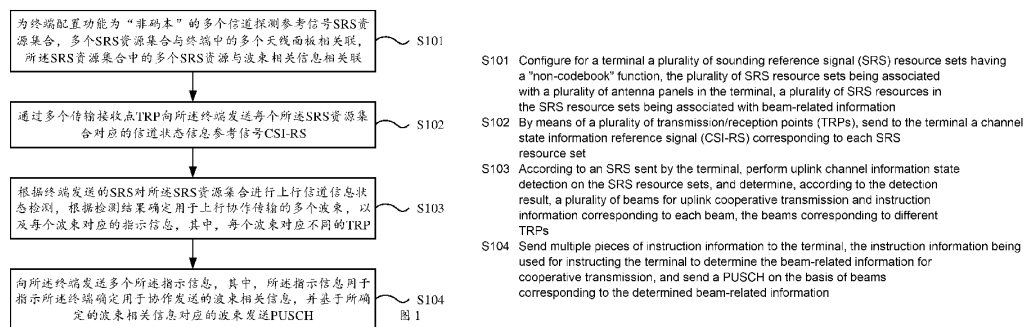
- (51) 国际专利分类号:
H04L 5/00 (2006.01) H04W 72/04 (2009.01)
- (21) 国际申请号: PCT/CN2020/121955
- (22) 国际申请日: 2020 年 10 月 19 日 (19.10.2020)
- (25) 申请语言: 中文
- (26) 公布语言: 中文
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- (81) 指定国(除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, 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, IT, 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, 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, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), 欧亚 (AM,

(54) Title: PUSCH INDICATION METHOD AND APPARATUS, AND PUSCH SENDING METHOD AND APPARATUS

(54) 发明名称: PUSCH指示方法和装置、PUSCH发送方法和装置



(57) Abstract: The present disclosure relates to a PUSCH indication method, comprising: configuring for a terminal a plurality of sounding reference signal (SRS) resource sets having a "non-codebook" function, a plurality of SRS resources in the SRS resource sets being associated with beam-related information; sending to the terminal a channel state information reference signal (CSI-RS) corresponding to each SRS resource set; performing uplink channel information state detection according to an SRS sent by the terminal, and determining, according to the detection result, a plurality of beams for uplink cooperative transmission and instruction information corresponding to each beam; and sending multiple pieces of instruction information to the terminal. According to the present disclosure, a plurality of beams for cooperative transmission and instruction information corresponding to each beam can be determined; a terminal is instructed by means of multiple pieces of instruction information corresponding to the plurality of beams, and the terminal can determine, according to the instruction information, the plurality of beams for cooperative transmission and antenna panels corresponding to the plurality of beams, such that by means of cooperative transmission by the plurality of antenna panels, the requirements of a service requiring enhanced PUSCH transmission can be satisfied.

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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))。

(57) 摘要：本公开涉及PUSCH指示方法，包括：为终端配置功能为“非码本”的多个信道探测参考信号SRS资源集合，SRS资源集合中的多个SRS资源与波束相关信息相关联；向终端发送每个SRS资源集合对应的信道状态信息参考信号CSI-RS；根据终端发送的SRS进行上行信道信息状态检测，根据检测结果确定用于上行协作传输的多个波束，以及每个波束对应的指示信息，向终端发送多个指示信息。根据本公开，可以确定用于协作传输的多个波束以及每个波束对应的指示信息，通过多个波束对应的多个指示对终端进行指示，终端可以根据指示信息确定用于协作传输的多个波束，以及多个波束对应的天线面板，从而能够通过多个天线面板的协作传输，以便满足对PUSCH需要增强传输的业务的需要。