

(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 2022/205004 A1

(43) 国际公布日
2022 年 10 月 6 日 (06.10.2022)

(51) 国际专利分类号:
H04W 72/12 (2009.01)

(21) 国际申请号: PCT/CN2021/084143

(22) 国际申请日: 2021 年 3 月 30 日 (30.03.2021)

(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: 北京法胜知识产权代理有限公司 (FASHENG INTELLECTUAL PROPERTY COMPANY, LTD.); 中国北京市海淀区北洼路45号1号楼2层202室, Beijing 100142 (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, 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。

(54) Title: DEFAULT BEAM DETERMINATION METHOD AND APPARATUS, AND COMMUNICATION DEVICE

(54) 发明名称: 默认波束的确定方法、装置及通信设备

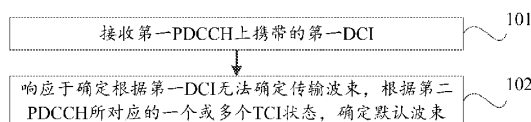


图 1

- 101 Receive first DCI carried on a first PDCCH
102 In response to determining that a transmission beam cannot be determined according to the first DCI, determine a default beam according to one or more TCI states corresponding to a second PDCCH

(57) Abstract: The present disclosure relates to the technical field of wireless communications and provides a default beam determination method and apparatus, and a communication device. The method comprises: a terminal device receives first DCI carried on a first PDCCH, and in response to determining that a transmission beam cannot be determined according to the first DCI, determines a default beam according to one or more TCI states corresponding to a second PDCCH. Therefore, even if the DCI does not indicate a transmission beam, the terminal device can also determine a default beam, so as to communicate with a network side device on the basis of the default beam, thereby improving a communication success rate.

(57) 摘要: 本公开提出一种默认波束的确定方法、装置及通信设备, 属于无线通信技术领域。其中, 方法包括: 终端设备接收第一PDCCH上携带的第一DCI, 响应于确定根据第一DCI无法确定传输波束, 根据第二PDCCH所对应的一个或多个TCI状态, 确定默认波束。由此, 即使DCI未指示传输波束, 终端设备也可以确定默认波束, 从而可以基于默认波束与网络侧设备进行通信, 以提高通信成功率。

[见续页]

(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))。