

(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 2022/205190 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 52/14 (2009.01)

(21) 国际申请号: PCT/CN2021/084699

(22) 国际申请日: 2021 年 3 月 31 日 (31.03.2021)

(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)。

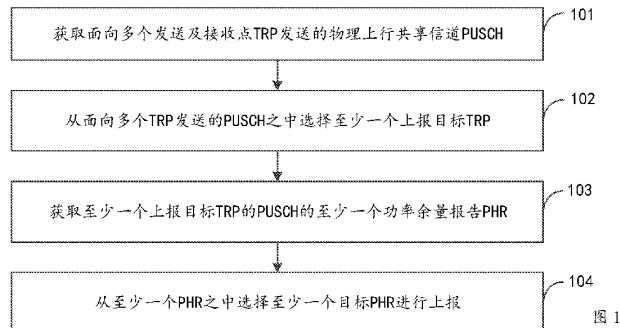
(72) 发明人: 刘洋 (LIU, Yang); 中国北京市海淀区西二旗中路33号院6号楼8层018号, Beijing 100085 (CN)。

(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: METHOD AND APPARATUS FOR REPORTING POWER HEADROOM, AND COMMUNICATION DEVICE

(54) 发明名称: 功率余量的上报方法、装置及通信设备



- 101 Obtain physical uplink shared channels PUSCHs that are sent facing a plurality of transmission and receiving points (TRPs)
102 Select at least one reporting target TRP from among the PUSCHs sent facing the plurality of TRPs
103 Obtain at least one power headroom report (PHR) of a PUSCH of the at least one reporting target TRP
104 Select at least one target PHR from among the at least one PHR, and report same

(57) Abstract: The present disclosure provides a method and apparatus for reporting power headroom, and a communication device, which belong to the technical field of wireless communication. In the method for reporting power headroom, the power control processes of PUSCHs facing a plurality of different TRP directions are independent of one another, so that a network device can achieve accurate power control according to the reported PHR.

(57) 摘要: 本公开提出一种功率余量的上报方法、装置及通信设备, 属于无线通信技术领域。功率余量的上报方法中, 面向多个不同 TRP 方向的 PUSCH 的功率控制过程是相互独立的, 使得网络设备可以根据上报的 PHR, 实现精准的功率控制。

[见续页]

WO 2022/205190 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))。