

(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 2023/151049 A1

(43) 国际公布日
2023 年 8 月 17 日 (17.08.2023)

(51) 国际专利分类号:
H04W 8/14 (2009.01)

海淀区上地三街 9 号嘉华大厦 B 座 409,
Beijing 100085 (CN)。

(21) 国际申请号: PCT/CN2022/076110

(22) 国际申请日: 2022 年 2 月 11 日 (11.02.2022)

(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: 刘晓菲 (LIU, Xiaofei); 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)。江小威 (JIANG, Xiaowei); 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: 北京博思佳知识产权代理有限公司 (BEIJING BESTIPR INTELLECTUAL PROPERTY LAW CORPORATION); 中国北京市

(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, JM, 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, 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,

(54) **Title:** RELATIONSHIP INDICATION METHOD AND DEVICE, INFORMATION TRANSMISSION METHOD AND DEVICE, COMMUNICATION DEVICE, AND STORAGE MEDIUM

(54) 发明名称: 关系指示、信息传输方法和装置、通信装置和存储介质

通过接入 AS 层接收非接入 NAS 层指示, 以确定所述终端所在区域和/或所述区域的邻区域对应的切片分组与切片之间的映射关系 S101

图 1

S101 Receive an indication of a non-access stratum (NAS) by means of an access stratum (AS), so as to determine a slice group-slice mapping relationship corresponding to a region where the terminal is located and/or an adjacent region of the region

(57) **Abstract:** The present disclosure relates to a relationship indication method and device, an information transmission method and device, a communication device, and a storage medium. The relationship indication method comprises: receiving an indication of a non-access stratum (NAS) by means of an access stratum (AS), so as to determine a slice group-slice mapping relationship corresponding to a region where a terminal is located and/or an adjacent region of the region. According to the present disclosure, the NAS in the terminal can send the slice group-slice mapping relationship corresponding to the region where the terminal is located and/or the adjacent region of the region to the AS, so that the AS can accurately determine a slice group corresponding to a slice according to the mapping relationship when needing to operate according to the slice group corresponding to the slice.

(57) **摘要:** 本公开涉及关系指示、信息传输方法和装置、通信装置和存储介质, 其中, 所述关系指示方法包括: 通过接入 AS 层接收非接入 NAS 层指示, 以确定所述终端所在区域和/或所述区域的邻区域对应的切片分组与切片之间的映射关系。根据本公开, 终端中的 NAS 层可以将终端所在区域和/或所述区域的邻区域对应的切片分组与切片之间的映射关系发送至 AS 层, 使得 AS 层在需要根据切片对应的切片分组进行操作时, 能够根据所述映射关系准确地确定切片对应的切片分组。

[见续页]

WO 2023/151049 A1

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))。