

(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

(43) 国际公布日
2023 年 5 月 19 日 (19.05.2023)



(10) 国际公布号
WO 2023/083023 A1

(51) 国际专利分类号:
H04W 74/08 (2009.01)

(21) 国际申请号: PCT/CN2022/128317

(22) 国际申请日: 2022 年 10 月 28 日 (28.10.2022)

(25) 申请语言: 中文

(26) 公布语言: 中文

(30) 优先权:
202111345545.2 2021 年 11 月 12 日 (12.11.2021) CN

(71) 申请人: 华为技术有限公司 (HUAWEI TECHNOLOGIES CO., LTD.) [CN/CN]; 中国广东省深圳市龙岗区坂田华为总部办公楼, Guangdong 518129 (CN)。

(72) 发明人: 杨懋 (YANG, Mao); 中国陕西省西安市碑林区, 友谊西路 127 号, 西北工业大学, Shaanxi 710072 (CN)。 闫中江 (YAN, Zhongjiang); 中国陕西省西安市碑林区, 友谊西路 127 号, 西北工业大学, Shaanxi 710072 (CN)。 李云波 (LI, Yunbo); 中国广东省深圳市龙岗区坂田华为总部办公楼, Guangdong 518129 (CN)。

(74) 代理人: 广州三环专利商标代理有限公司 (SCIHEAD IP LAW FIRM); 中国广东省广州市越秀区先烈中路 80 号汇华商贸大厦 1508 室, Guangdong 510070 (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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI,

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

(54) 发明名称: 数据传输方法及装置、存储介质、程序产品

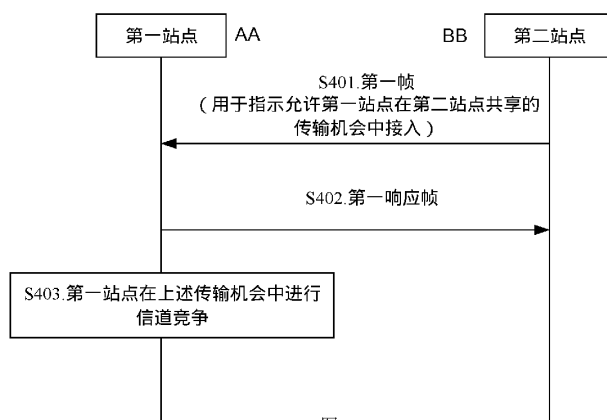


图 4

AA First station
BB Second station
S401 First frame (used for indicating that the first station is allowed to access in a transmission opportunity shared by the second station)
S402 First response frame
S403 The first station performs channel competition in the transmission opportunity

(57) Abstract: The present application discloses a data transmission method and apparatus, a storage medium, and a program product. The method comprises: a second station sends a first frame to a first station, the first frame being used for indicating that the first station is allowed to access in a transmission opportunity shared by the second station; the first station receives the first frame and sends a first response frame in response to the first frame; and the first station performs channel competition in the transmission opportunity. In the solution of the present application, after winning in channel competition, the second station may give an indication that the first station

[见续页]

WO 2023/083023 A1

GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, 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, CV, 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, ME, 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))。

is allowed to access in the transmission opportunity shared by the second station, and the first station can perform channel competition in the transmission opportunity shared by the second station, and performs channel competition in the transmission opportunity after sending the first response frame, such that channel competition efficiency and reliability are improved.

(57) 摘要: 本申请公开了一种数据传输方法及装置、存储介质、程序产品。该方法包括: 第二站点向第一站点发送第一帧, 该第一帧用于指示允许第一站点在第二站点共享的传输机会中接入; 第一站点接收该第一帧, 并响应于第一帧, 发送第一响应帧; 以及第一站点在传输机会中进行信道竞争。采用本申请的方案, 第二站点在竞争到信道后, 可以指示允许第一站点在其共享的传输机会中接入, 第一站点可以在第二站点共享的传输机会中进行信道竞争, 并在发送第一响应帧后在该传输机会中进行信道竞争, 提高了信道竞争的效率和可靠性。