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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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, 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, MU, 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。

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(54) Title: COMMUNICATION METHOD AND APPARATUS

(54) 发明名称: 通信方法及装置

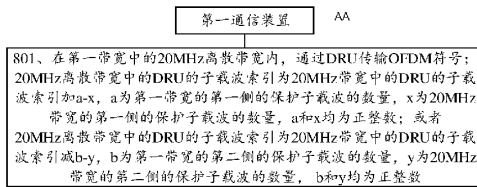


图8

801 Within a 20MHz discrete bandwidth in a first bandwidth, transmit an OFDM symbol by means of a DRU, wherein a sub-carrier index of the DRU in the 20MHz discrete bandwidth is obtained by means of adding a-x to a sub-carrier index of a DRU in a 20MHz bandwidth, a being the number of guard sub-carriers on a first side of the first bandwidth, x being the number of guard sub-carriers on a first side of the 20MHz bandwidth, and both a and x being positive integers; or, the sub-carrier index of the DRU in the 20MHz discrete bandwidth is obtained by means of subtracting b-y from the sub-carrier index of the DRU in the 20MHz bandwidth, b being the number of guard sub-carriers on a second side of the first bandwidth, y being the number of guard sub-carriers on a second side of the 20MHz bandwidth, and both b and y being positive integers

AA First communication apparatus

(57) Abstract: A communication method and apparatus, which relate to the technical field of communications, and can make a 20MHz discrete bandwidth obtained after splitting conform to a spectrum template of a bandwidth greater than 20MHz, such that the communication performance is improved when a distributed resource unit (DRU) is scheduled and transmitted within a bandwidth greater than 20MHz on the basis of the 20MHz discrete bandwidth. The method comprises: within a 20MHz discrete bandwidth in a first bandwidth, transmitting an orthogonal frequency division multiplexing (OFDM) symbol by means of a DRU, wherein a sub-carrier index of the DRU in the 20MHz discrete bandwidth is obtained by means of adding a-x to a sub-carrier index of a DRU in a 20MHz bandwidth, a being the number of guard sub-carriers on a first side of the first bandwidth, and x being the number of guard sub-carriers on a first side of the 20MHz bandwidth; or, the sub-carrier index of the DRU in the 20MHz discrete bandwidth is obtained by means of subtracting b-y from the sub-carrier index of the DRU in the 20MHz bandwidth, b being the number of guard sub-carriers on a second side of the first bandwidth, and y being the number of guard sub-carriers on a second side of the 20MHz bandwidth; and a, x, b and y are all positive integers. The present application is applicable to a wireless local area network that supports related standards of the Institute of Electrical and Electronics Engineers.

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NA, RW, SC, 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))。

(57) 摘要：一种通信方法及装置，涉及通信技术领域，能够使得拆分后的20MHz离散带宽符合大于20MHz的带宽的频谱模板，从而在大于20MHz的带宽中基于20MHz离散带宽进行分布式资源单元DRU的调度与传输时，提高通信性能。该方法包括：在第一带宽中的20MHz离散带宽内，通过DRU传输正交频分复用OFDM符号；20MHz离散带宽中的DRU的子载波索引为20MHz带宽中的DRU的子载波索引加 $a-x$ ， a 为第一带宽第一侧的保护子载波的数量， x 为20MHz带宽第一侧的保护子载波的数量；或者，20MHz离散带宽中的DRU的子载波索引为20MHz带宽中的DRU的子载波索引减 $b-y$ ， b 为第一带宽第二侧的保护子载波的数量， y 为20MHz带宽第二侧的保护子载波的数量； a 、 x 、 b 和 y 均为正整数。适用于支持电气和电子工程师学会相关标准的无线局域网。