

(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 2019/080071 A1

(43) 国际公布日
2019 年 5 月 2 日 (02.05.2019)

- (51) 国际专利分类号:
H04W 72/00 (2009.01) *H04L 27/00* (2006.01)
- (21) 国际申请号: PCT/CN2017/107907
- (22) 国际申请日: 2017 年 10 月 26 日 (26.10.2017)
- (25) 申请语言: 中文
- (26) 公布语言: 中文
- (71) 申请人: **OPPO 广东移动通信有限公司 (GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.)** [CN/CN]; 中国广东省东莞市长安镇乌沙海滨路 18 号, Guangdong 523860 (CN)。
- (72) 发明人: **林亚男 (LIN, Yanan)**; 中国广东省东莞市长安镇乌沙海滨路 18 号, Guangdong 523860 (CN)。
- (74) 代理人: 广州华进联合专利商标代理有限公司 (**ADVANCE CHINA IP LAW OFFICE**); 中国广东省广州市天河区珠江东路 6 号 4501 房 (部位: 自编 01-03 和 08-12 单元) (仅限办公用途), Guangdong 510623 (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, 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, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW。

(54) **Title:** UPLINK CONTROL CHANNEL TRANSMISSION METHOD, TERMINAL DEVICE AND NETWORK DEVICE

(54) 发明名称: 上行控制信道传输方法、终端设备和网络设备

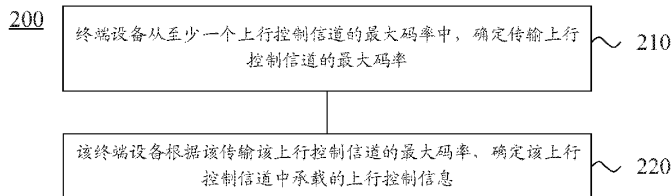


图 2

210 The terminal device determines, from the maximum bit rate of at least one uplink control channel, the maximum bit rate at which the uplink control channel is transmitted

220 The terminal device determines, according to the maximum bit rate at which the uplink control channel is transmitted, uplink control information carried in the uplink control channel

(57) **Abstract:** Provided in an embodiment of the present application are an uplink control channel transmission method, a terminal device and a network device. The terminal device determines, according to the maximum bit rate at which an uplink control channel is transmitted, uplink control information carried in the uplink control channel; and optimization can be performed according to different uplink control information to ensure reliable transmission of the uplink control information. The method comprises: the terminal device determines, from the maximum bit rate of at least one uplink control channel, the maximum bit rate at which the uplink control channel is transmitted; and the terminal device determines, according to the maximum bit rate at which the uplink control channel is transmitted, uplink control information carried in the uplink control channel.

[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))。

(57) 摘要: 本申请实施例提供了一种上行控制信道传输方法、终端设备和网络设备, 终端设备根据传输上行控制信道的最大码率, 确定上行控制信道中承载的上行控制信息, 且可以根据不同的上行控制信息进行优化, 保证上行控制信息的可靠传输。该方法包括: 终端设备从至少一个上行控制信道的最大码率中, 确定传输上行控制信道的最大码率; 该终端设备根据该传输上行控制信道的最大码率, 确定该上行控制信道中承载的上行控制信息。