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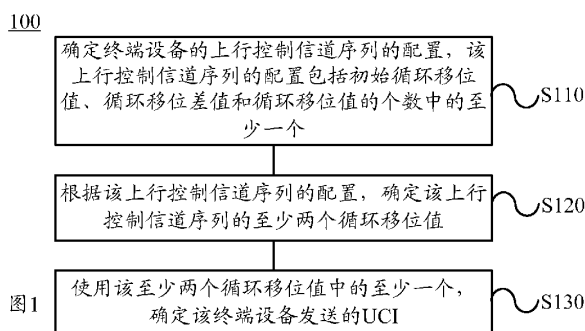
(71) 申请人: **OPPO 广东移动通信有限公司 (GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.)** [CN/CN]; 中国广东省东莞市长安镇乌沙海滨路18号, Guangdong 523860 (CN)。

(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,

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(54) **Title:** METHOD FOR TRANSMITTING CONTROL INFORMATION, NETWORK DEVICE, AND TERMINAL DEVICE

(54) 发明名称: 用于传输控制信息的方法、网络设备和终端设备



S110 DETERMINE THE CONFIGURATION OF AN UPLINK CONTROL CHANNEL SEQUENCE OF A TERMINAL DEVICE, THE CONFIGURATION OF THE UPLINK CONTROL CHANNEL SEQUENCE COMPRISING AT LEAST ONE OF AN INITIAL CYCLIC SHIFT VALUE, A CYCLIC SHIFT DIFFERENCE, AND THE NUMBER OF CYCLIC SHIFT VALUES
S120 ON THE BASIS OF THE CONFIGURATION OF THE UPLINK CONTROL CHANNEL SEQUENCE, DETERMINE AT LEAST TWO CYCLIC SHIFT VALUES OF THE UPLINK CONTROL CHANNEL SEQUENCE
S130 USE AT LEAST ONE OF THE AT LEAST TWO CYCLIC SHIFT VALUES TO DETERMINE UCI SENT BY THE TERMINAL DEVICE

(57) **Abstract:** The embodiments of the present application relate to a method for transmitting control information, a network device, and a terminal device. The method comprises: determining the configuration of an uplink control channel sequence of a terminal device, the configuration of the uplink control channel sequence comprising at least one of an initial cyclic shift value, a cyclic shift difference, and the number of cyclic shift values; on the basis of the configuration of the uplink control channel sequence, determining at least two cyclic shift values of the uplink control channel sequence; and using at least one of the at least two cyclic shift values to determine UCI sent by the terminal device. The method for transmitting control information, the network device, and the terminal device in the embodiments of the present application reduce the configuration set of a PUCCH, reduce physical layer overheads, and can also increase the flexibility of PUCCH resource configuration under conditions of limited physical layer indication overheads.

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SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG,
US, UZ, VC, VN, ZA, ZM, ZW。

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保护): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ,
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AZ, BY, KG, KZ, RU, TJ, TM), 欧洲 (AL, AT, BE, BG,
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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: 本申请实施例涉及用于传输控制信息的方法、网络设备和终端设备。该方法包括: 确定终端设备的上行控制信道序列的配置, 该上行控制信道序列的配置包括初始循环移位值、循环移位差值和循环移位值的个数中的至少一个; 根据该上行控制信道序列的配置, 确定该上行控制信道序列的至少两个循环移位值; 使用该至少两个循环移位值中的至少一个, 确定该终端设备发送的UCI。本申请实施例的用于传输控制信息的方法、网络设备和终端设备, 减少PUCCH的配置集合, 减少物理层开销, 也可以在有限的物理层指示开销下, 增加PUCCH资源配置的灵活性。