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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,

(54) Title: SIGNAL PROCESSING METHOD, COMMUNICATION APPARATUS, COMMUNICATION SYSTEM, AND STORAGE MEDIUM

(54) 发明名称: 信号处理方法、通信装置、通信系统及存储介质

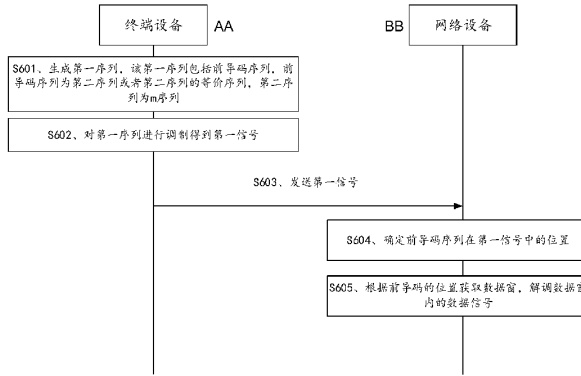


图 6

S601 Generate a first sequence, the first sequence comprising a preamble sequence, the preamble sequence being a second sequence or a sequence equivalent to the second sequence, and the second sequence being an m sequence

S602 Modulate the first sequence to obtain a first signal

S603 Send the first signal

S604 Determine the position of the preamble sequence in the first signal

S605 On the basis of the position of preamble, acquire a data window, and demodulate a data signal within the data window

AA Terminal device

BB Network device

(57) Abstract: The present application relates to the field of communications, and discloses a signal processing method, a communication apparatus, a communication system, and a storage medium. The method comprises: a terminal device generates a first sequence comprising a preamble sequence, then modulates the first sequence to obtain a first signal, and sends the first signal. Thus, when a network device receives the first signal, the network device synchronizes the first signal on the basis of the preamble sequence to determine the position of the preamble sequence in the first signal, thereby demodulating the synchronized first signal to obtain the

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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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first sequence. The preamble sequence is a second sequence or a sequence equivalent to the second sequence. In addition, the second sequence is determined on the basis of an m sequence, and the m sequence is a preset m sequence having a small correlation value secondary peak during sliding correlation. According to the method, when a terminal device sends an uplink signal, a preamble sequence can be generated on the basis of a preset m sequence having a low correlation value secondary peak, so that uplink synchronization performance is improved.

(57) 摘要: 本申请公开了一种信号处理方法、通信装置、通信系统及存储介质, 涉及通信领域。该方法包括: 终端设备生成包括前导码序列的第一序列, 然后对该第一序列进行调制以得到第一信号, 发送第一信号。从而便于网络设备接收到第一信号时, 根据前导码序列进行第一信号的同步, 以确定出第一信号中前导码序列的位置, 从而解调同步后的第一信号以得到第一序列。其中, 前导码序列是第二序列或者所述第二序列的等价序列。并且, 第二序列是根据 m 序列确定的, 该 m 序列为预先设置的进行滑动相关时相关值次高峰较小的 m 序列。该方法可以使终端设备发送上行信号时, 根据预设的相关值次高峰较低的 m 序列生成前导码序列, 从而提高上行同步性能。