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(54) Title: DATA TRANSMISSION METHOD, ELECTRONIC DEVICE, AND COMPUTER READABLE MEDIUM

(54) 发明名称: 数据传输方法、电子设备、计算机可读介质

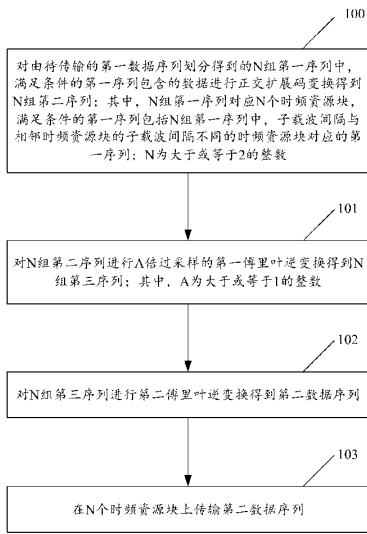


图 1

- 100 In N sets of first sequences obtained by dividing a first data sequence to be transmitted, perform orthogonal spreading code transformation on data included in a first sequence meeting a condition to obtain N sets of second sequences, wherein the N sets of first sequences correspond to N time-frequency resource blocks, the first sequence meeting the condition includes a first sequence, in the N sets of first sequences, that corresponds to a time-frequency resource block having a subcarrier interval different from a subcarrier interval of an adjacent time-frequency resource block, and N is an integer greater than or equal to 2
- 101 Perform first inverse Fourier transform with A-fold oversampling on the N sets of second sequences to obtain N sets of third sequences, wherein A is an integer greater than or equal to 1
- 102 Perform second inverse Fourier transform on the N sets of third sequences to obtain a second data sequence
- 103 Transmit the second data sequence over the N time-frequency resource blocks

(57) Abstract: The present application provides a data transmission method, an electronic device, and a computer readable medium. The data transmission method comprises: in N sets of first sequences obtained by dividing a first data sequence to be transmitted, performing orthogonal spreading code transformation on data included in a first sequence meeting a condition to obtain N sets of second sequences, wherein the N sets of first sequences correspond to N time-frequency resource blocks, the first sequence meeting the condition includes a first sequence, in the N sets of first sequences, that corresponds to a time-frequency resource block having a

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subcarrier interval different from a subcarrier interval of an adjacent time-frequency resource block, and N is an integer greater than or equal to 2; performing first inverse Fourier transform with A-fold oversampling on the N sets of second sequences to obtain N sets of third sequences, wherein A is an integer greater than or equal to 1; performing second inverse Fourier transform on the N sets of third sequences to obtain a second data sequence; and transmitting the second data sequence over the N time-frequency resource blocks.

- (57) 摘要: 本申请提供了一种数据传输方法、电子设备、计算机可读介质, 数据传输方法包括: 对由待传输的第一数据序列划分得到的N组第一序列中, 满足条件的第一序列包含的数据进行正交扩展码变换, 得到N组第二序列; 其中, 所述N组第一序列对应N个时频资源块, 所述满足条件的第一序列包括所述N组第一序列中, 子载波间隔与相邻时频资源块的子载波间隔不同的时频资源块对应的第一序列; N为大于或等于2的整数; 对所述N组第二序列进行A倍过采样的第一傅里叶逆变换, 得到N组第三序列; 其中, A为大于或等于1的整数; 对所述N组第三序列进行第二傅里叶逆变换得到第二数据序列; 在所述N个时频资源块上传输所述第二数据序列。