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(54) **Title:** SIGNAL PROCESSING METHOD, DEVICE, AND SYSTEM

(54) 发明名称: 信号处理的方法、装置及系统

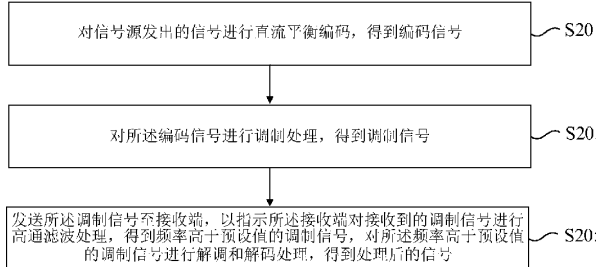


图 2

- S201 Perform direct-current balance coding on a signal sent by a signal source, so as to obtain a coded signal
- S203 Modulate the coded signal to obtain a modulated signal
- S205 Send the modulated signal to a receiving end so as to instruct the receiving end to perform high-pass filtering processing on the received modulated signal to obtain a modulated signal of which the frequency is higher than a preset value, and demodulate and decode the modulated signal of which the frequency is higher than the preset value, so as to obtain a processed signal

(57) **Abstract:** The present invention relates to a signal processing method, device, and system. The method comprises: performing direct-current balance coding on a signal sent by a signal source, so as to obtain a coded signal; modulating the coded signal to obtain a modulated signal; and sending the modulated signal to a receiving end so as to instruct the receiving end to perform high-pass filtering processing on the received modulated signal to obtain a modulated signal of which the frequency is higher than a preset value, and demodulating and decoding the modulated signal of which the frequency is higher than the preset value, so as to obtain a processed signal. According to embodiments of the present invention, high-pass filtering processing is performed on the received modulated signal at the receiving end to obtain the modulated signal of which the frequency is higher than the preset value, such that the effect of MPI noise on the transmission performance can be effectively reduced, and the tolerance to the MPI noise is improved.

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根据细则4.17的声明:
— 关于发明人身份(细则4.17(i))
— 关于申请人有权申请并被授予专利(细则4.17(ii))
— 发明人资格(细则4.17(iv))

本国际公布:
— 包括国际检索报告(条约第21条(3))。

(57) 摘要: 本公开涉及信号处理的方法、装置及系统。所述方法包括: 对信号源发出的信号进行直流平衡编码, 得到编码信号; 对所述编码信号进行调制处理, 得到调制信号; 发送所述调制信号至接收端, 以指示所述接收端对接收到的调制信号进行高通滤波处理, 得到频率高于预设值的调制信号, 并对所述频率高于预设值的调制信号进行解调和解码处理, 得到处理后的信号。本公开实施例在接收端通过对接收到的调制信号进行高通滤波处理, 得到频率高于预设值的调制信号, 可以有效的减少MPI噪声对传输性能的影响, 提升对MPI噪声的容忍度。