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**Kappertz et al.**(10) **Pub. No.: US 2022/0407536 A1**(43) **Pub. Date: Dec. 22, 2022**(54) **METHOD FOR DETERMINING AN INVERSE  
IMPULSE RESPONSE OF A  
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**ABSTRACT**

A method for determining an inverse impulse response of a communication channel by means of a PAM receiver comprises the following method steps: switching on the PAM receiver; if a second PAM transceiver is switched on, setting a difference between a clock frequency of the data signal and a sampling frequency of the first PAM transceiver; comparing a symbol that is output by the interpreter with a state that is supplied to the interpreter, and outputting an error value, wherein in each case a symbol associated with a sampling clock is compared with a state associated with the same sampling clock; adapting m filter coefficients of the equalizer to minimize error values; repeating the third method step and the fourth method step until an error limit value is reached.

