

## **ABSTRACT**

The present disclosure relates to a signal processing method and system for an optical communication receiving end. The method comprises: receiving an optical signal and converting the optical signal into an electrical signal; performing high-pass filtering on the electrical signal to obtain a first processed signal; performing filtering processing on the first processed signal by using an adaptive filter, so as to obtain a second processed signal; and acquiring a difference between the electrical signal and the first processed signal, and according to the difference, adjusting the parameter setting of the adaptive filter to change the filtering characteristic of the adaptive filter. The use of the method can effectively filter out noise in a transmitted signal and improve the quality of signal transmission.

[Fig. 2]