ABSTRACT

The present disclosure relates to a spectrum adjustment method for an optical transmission system and a network management system. Taking a goal of providing at least one available idle frequency band for a first wavelength channel desired to be created, a spectrum adjustment scheme is generated based on frequency band information of a wavelength channel currently used by a transmitting-end and receiving-end device corresponding to the first wavelength channel in the optical transmission system, where the spectrum adjustment scheme is used to characterize frequency band adjustment information of the wavelength channel that needs to be adjusted. An adjustment instruction is sent to the transmitting-end and receiving-end device based on the spectrum adjustment scheme. Thus, the optimization of spectrum resources can be realized based on the generated spectrum adjustment scheme, thereby providing support for the creation of the first wavelength channel.

Fig. 1