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(54)Differential quadrature phase-shift modulator and method for setting driving voltage thereof

The present invention is directed toward a method for setting a driving voltage of a differential quadrature phase-shift modulator, this method making signal quality superior in response to an individual difference in extinction ratio due to variations in manufacture of a device. To this end, signal quality of differential quadrature phase-shift modulated light output from a differential quadrature phase-shift modulator is acquired. An average amplitude of a first or second driving voltage signal is adjusted according to the signal quality of the thusacquired differential quadrature phase-shift modulated light.

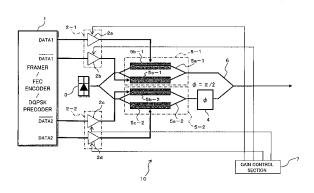


FIG. 1

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