

Abstract:

Optical amplifier with improved linearity.

Optical amplifier which utilizes a solid-state laser (2) as an amplifying element. To improve the linearity of the optical amplifier a complex compensation mechanism has been necessary in the state of the art. In the optical amplifier according to the invention a similar linearity improvement may be achieved by feeding the solid-state laser (2) not from a current source, as is customary, but from a voltage source (4).

Fig. 1.

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