

Title (en)

METHOD AND SYSTEM FOR AMPLITUDE MODULATION OF AN OPTICAL SIGNAL

Title (de)

VERFAHREN UND ANORDNUNG ZUR AMPLITUDENMODULATION EINES OPTISCHEN SIGNALS

Title (fr)

PROCEDE ET SYSTEME POUR LA MODULATION D'AMPLITUDE D'UN SIGNAL OPTIQUE

Publication

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Application

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Abstract (en)

[origin: DE10013197A1] The amplitude modulation method uses a modulator (MZM) for modulation of an optical signal (os) with a binary data signal (ds), to provide a transmission signal (ts), the optical signal divided into 2 partial optical signals (os1,os2), one of which is supplied to the modulator, while the other is converted into a counter-phase optical signal (gps), combined with the modulator output signal to provide a carrier reduced optical transmission signal. The optical signal is divided into 2 partial optical signals by an adjustable optical switch (OCU) controlled via a regulating signal (rs1), or via an optical switch with a fixed ratio, a optical attenuation device controlled by the regulating signal inserted in the path of the partial optical signal used for providing the counter-phase optical signal.

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