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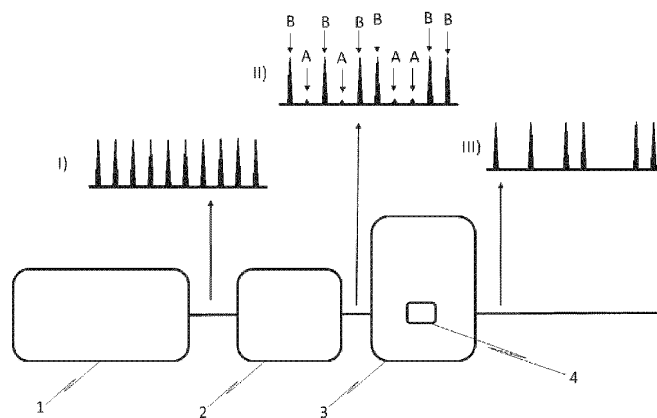


FIG. 1

(57) Abstract: A system for optical communications, comprising: a pulse generator (1) configured to generate a train of pulses of electromagnetic radiation; a modulator (2) optically connected to the pulse generator (1) and configured to modulate the train via modulating an amplitude of at least some of the pulses of the train such that the modulated train comprises a first set of pulses and a second set of pulses, wherein the amplitude of the pulses of the first set is smaller than the amplitude of the pulses of the second set; a saturable noise suppressor (3) which is optically connected to the modulator (2), comprises a saturable absorber (4), and is configured to receive the modulated train, attenuate the amplitude of the pulses of the first set, and output the pulses of the second set and the attenuated pulses of the first set. Also, a method for optical communications, and a use of the system.

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