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(54) Title: AN OPTICAL RECEIVER, A TUNER, AND AN OPTICAL NETWORK

(57) Abstract

Known is an optical receiver (4) in which first a received broadband optical signal is converted to a broadband electric signal by means of an optoelectric converter (49) comprising a transimpedance amplifier, and thereafter a channel is selected from the converted broadband signal by means of a tuner which is coupled to the transimpedance amplifier. Such a configuration is not optimal in fulfilling noise and bandwidth requirements. An optical receiver (4) for subcarrier multiplexed optical signals is proposed which has a tunable frequency selective front-end section (30) that is directly coupled to a photodiode (49) as an optoelectric converter so as to selectively pass a tuned channel from the received subcarrier multiplexed optical signal to a succeeding amplifier (36; 61).

