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(54) Title: DARK PULSE TDMA OPTICAL NETWORK		
(57) Abstract An optical network includes a number of nodes coupled to an optical transmission medium, such as an optical fibre bus. Each of the nodes includes a dark pulse generator. Different nodes output dark pulses in different time slots onto the transmission medium, forming a dark pulse OTDM (optical time division multiplexed) signal. The network may have a re-entrant bus topology.		