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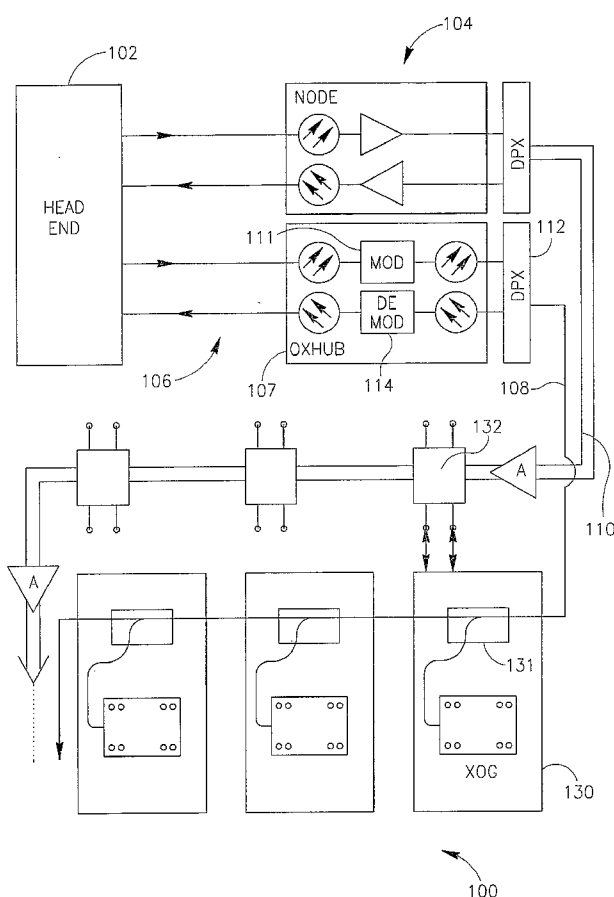
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(54) Title: SYSTEM, DEVICE AND METHOD OF EXPANDING THE OPERATIONAL BANDWIDTH OF A COMMUNICATION INFRASTRUCTURE



(57) Abstract: Embodiments of the invention include a method, device and/or system of expanding the operational bandwidth of a communication infrastructure. An optical gathering box may include, according to some demonstrative embodiments of the invention, an optical connector to optically connect the apparatus to an optic fiber; and at least one interface including first and second radio-frequency connectors; an optical to radio-frequency converter to convert a downstream optical signal received via the optical connection into an extended downstream radio-frequency signal in an extended downstream frequency band; and a triplexer to route the extended downstream signal to the first radio-frequency connector; to route a legacy downstream radio-frequency signal in a legacy frequency band from the second radio-frequency connector to the first radio-frequency connector; and to route a legacy upstream radio-frequency signal in the legacy frequency band from the first radio-frequency connector to the second radio-frequency connector. Other embodiments are described and claimed.



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