

OPTICAL LINE TERMINAL, COMMUNICATIONS METHOD, AND PASSIVE OPTICAL NETWORK SYSTEM

ABSTRACT

Embodiments of the present invention disclose an optical line terminal, including:
5 an acquiring unit, configured to acquire device information of an optical network
terminal that registers and gets online; a determining unit, configured to match the
device information of the optical network terminal with an interoperability mode
configuration table preset on the optical line terminal, and determine whether an
interoperability mode obtained by matching is the same as a current interoperability
10 mode; an instructing unit, configured to instruct, if the interoperability mode obtained
by matching is different from the current interoperability mode, the optical network
terminal to be reset, reregister, and get online; and a configuring unit, configured to
switch the current interoperability mode to the interoperability mode obtained by
matching, and configure and manage the optical network terminal according to the
15 interoperability mode obtained by matching. The embodiments of the present
invention further disclose a communications method and a passive optical network
system. By using the present invention, management complexity and management
costs can be reduced when an OLT is compatible with ONTs supporting different
managed entities, and complex ONT customization is not required.

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Figure 1