

ACCESS METHOD, PON SYSTEM, FIRST ONU, AND OLT

ABSTRACT

This application provides an access method, applied to the optical communication field. The access method includes the following steps: A first ONU receives broadcast information from an OLT, where the OLT is connected to a plurality of ONUs through an ODN, the plurality of ONUs include the first ONU, and the broadcast information includes information about an upstream wavelength supported by the OLT. When the upstream wavelength supported by the OLT does not include an upstream wavelength of the first ONU, the first ONU does not start registration; or when the upstream wavelength supported by the OLT includes an upstream wavelength of the first ONU, the first ONU starts registration. In the technical solutions of this application, information about an upstream wavelength supported by a current OLT port is broadcast in a downstream direction, so that an ONU with an upstream wavelength not supported by the current OLT port can be prevented from accessing a PON system, to improve reliability of optical communication.

FIG. 7