

SUBSCRIBER LINE ACCOMMODATION DEVICE AND PACKET FILTERING METHOD

Abstract of the Disclosure:

In response to a request for acquisition of an IP address from a user terminal, a DHCP server 171B in a subscriber line accommodation device 102 allocates an IP address, registers a set of the allocated IP address, an MAC address of the user terminal, and a line number thereof in a DHCP management table 201, and sets it in an input filter section 184 as a packet passing condition. Among packets sent from user terminals, the input filter section 184 sends only those packets satisfying registered conditions toward a bridge forwarder 135, while discards those packets not satisfying the conditions. Even when access is attempted by illegally using an IP address, a packet concerned is discarded unless a line number or an MAC address agrees.

Figure 2