

ABSTRACT

The internet telephone adapter connected to the conventional telephone set has a problem of not being able to make a normal telephone call by switching to the PSTN line when the internet telephone cannot be used. As for the telephone equipment adapter connected to both the PSTN line and the IP network, the PSTN_line_signal_transmitting/receiving_unit 1100 inputs a telephone number and a message information from the telephone set 10, then the designation identifying unit 200 obtains an IP address by mapping the telephone number, and generates a route selecting information, and hands over the route selecting information to the line_connection_switching_unit 100. Based on the route selecting information, the line_connection_switching_unit 100 selects one of a route PSTN line 13 and a route from the IP_network_communication_processing_unit 5000 via the IP network 14, and transmits the message information to the telephone set 20.

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