

ABSTRACT

When a proxy device is used between a transmission terminal and a reception terminal, receives final data from the transmission terminal, and fails immediately thereafter, a case is prevented in which transmission is completed in the transmission terminal, and, on the other hand, reception is not completed in the reception terminal.

There is provided a means for not returning ACK when a data packet is received in a state in which there is no data which waits for ACK and transmission of which is in progress, and there is no data which waits for arrangement and reception of which is in progress in the proxy device, for returning ACK for data received one step before when a data packet is received in a state in which there is data which waits for ACK and transmission of which is in progress, or there is data which waits for arrangement and reception of which is in progress in the proxy device, and for returning normal ACK at a timing when ACK is received from the reception terminal side, thus there is no data which waits for ACK and transmission of which is in progress, and there is no data which waits for arrangement and reception of which is in progress.