

ABSTRACT OF THE DISCLOSURE

A data conversion apparatus etc. which inhibits
octet/bit insertion to reduce a data transmission amount
5 and improve a throughput in a section not requiring
octet/bit insertion during communication based on PPP is
provided. Further, a communication apparatus which
reduces a control packet on a communication line is
provided. When transmitting a data signal from DTE 2 to
10 DTE 14, octet/bit insertion is performed DTE 2 to a data,
and transmission is made. In a DCE, a data having a PPP
frame configuration and being octet/bit-inserted is
converted into a data having an improved PPP frame
configuration and being not octet/bit inserted. In a
15 gateway (NW), a data is converted into a data having the
PPP frame configuration and being octet/bit inserted.
After the data conversion, the gateway transmits a signal
including the converted data to DTE 14. In DTE 14,
octet/bit deletion is performed.

This Sheet Has Been Replaced

