

ABSTRACT

TRANSMITTER, RECEIVER, MOBILE STATION AND WIRELESS BASE STATION

A transmitter apparatus (10) includes: an MAC-PDU generator section (11) configured to generate an MAC-PDU by multiplexing one or more variable-length information elements each being any one of an MAC-SDU received from an RLC layer, control information, and padding information; and an MAC-PDU transmitter section (13) configured to transmit the generated MAC-PDU. The MAC-PDU generator section (13) is configured to add an MAC header including LI indicating sizes of a plurality of information elements, when the plurality of information elements is multiplexed into the MAC-PDU, and the number of pieces of the LI included in the MAC header is one number smaller than the number of the information elements being multiplexed.

FIG.4