TERMINAL APPARATUS AND COMMUNICATION METHOD THEREOF

ABSTRACT

This invention is directed to a terminal apparatus capable of preventing the degradation of reception quality of control information even in a case of employing SU-MIMO transmission system. A terminal (200), which uses a plurality of different layers to transmit two code words in which control information is placed, comprises: a resource amount determining unit (204) that determines, based on a lower one of the encoding rates of the two code words or based on the average value of the reciprocals of the encoding rates of the two code words, resource amounts of control information in the respective ones of the plurality of layers; and a transport signal forming unit (205) that places, in the two code words, the control information modulated by use of the resource amounts, thereby forming a transport signal.

Figure 5