

**RADIO COMMUNICATION SYSTEM, TRANSMITTING APPARATUS, RADIO
COMMUNICATION CONTROL APPARATUS, RECEIVING APPARATUS, AND RADIO
COMMUNICATION METHOD**

ABSTRACT

Information data is transferred by TDMA in one frame. A frame is formed of a control-data transfer time region and an information-data transfer time region. In the control-data transfer time region, polling is performed for each terminal and a transfer rate and whether transfer data exists are returned to a control station as an ACK. The control station assigns a channel to each terminal according to this information. A time period for data transfer in the information-data transfer time region is assigned to each terminal which has made a transmission request. In the region, asynchronous data and isochronous data can be transferred together. Since data is transferred in the time period assigned in advance in a frame, a constant transfer rate is obtained without being affected by an increase or decrease of traffic.

Figure 3

