



ABSTRACT

TWO-WAY PAGING SYSTEM WITH ANSWER-BACK FUNCTION

After bit synchronization and frame
synchronization are established in accordance with a
transmission signal from a transmission office,
reception RX is stopped until a reception timing
5 assigned to a group of a portable radio unit comes. A
receiving operation is performed again at the reception
timing assigned to the group of the unit. If the ID
code of the received signal coincides with the ID of the
unit, an informing operation is performed. At the same
10 time, transmission TX is performed. A transmitting
operation is performed during a transmission signal stop
period. TXOF upon completion of transmission of data
corresponding to all the eight groups. The transmission
timing of the portable radio unit is based on the fact
15 that frame synchronization is established in the
reception RX, so that transmission TX is performed at a
timing assigned to the group of the unit in the
reception RX. The above-described timings prevent the
transmission office and the portable radio unit from
20 performing simultaneous transmission.