

- 30 -

TRANSMISSION CONTROL METHOD OF DOWNGOING CONTROL SIGNAL IN
TDMA MOBILE COMMUNICATIONS SYSTEM

ABSTRACT

In a method of controlling the transmission of a downgoing control signal, a mobile terminal (3A) detects the presence of radio wave of a downgoing control signal in each time slot in response to an inquiry signal received from a base station (2A).

- 5 The mobile terminal (3A) generates an answer signal indicating the time positions of radio waves received within a predetermined interval, and transmits the answer signal to the base apparatus (2A). The base apparatus (2A), receiving the radio condition answer signal, detects time differences (T_d) between the
- 10 downgoing control signal sent by the base apparatus itself (2A) and other downgoing control signals sent by other base apparatuses (2B). If at least one time difference becomes lower than a predetermined threshold, the base apparatus (2A) changes the transmission timing of the downgoing control signal such that the
- 15 time difference (T_d) becomes larger than the threshold.

Fig. 3.

This Sheet Has Been Replaced

