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ABSTRACT OF THE DISCLOSURE

A transmitting and receiving system in base station in a time- division multiple access digital mobile telephone system comprises a control sinal input/output unit (20) for an external system, a speech signal input/output unit (30) for the external system, a plurality of transmitting/receiving units (10a, 10b, 10c) each including a radio transmitting/receiving circuit (11a, 11b, 11c)and a transmission/reception data processing circuit (12a, 12b, 12c), a control signal bus (40) connecting the control signal input/output unit and the plurality of transmitting/receiving units, and a speech signal bus (50) connecting the speech signal input/output unit and the plurality of transmitting/receiving units. The transmission/reception data processing circuit (12) executes processes of disassembling and assembling to and from a plurality of slots with respect to the control signals for all channels to be multiplexed to a single radio frequency, and of data processings for each slot on the control signals and the speech signals for all channels to be multiplexed to a single radio frequency.

This Sheet Has Been Replaced