

ABSTRACT

**A SINGLE CARRIER/DS-CDMA PACKET TRANSMISSION METHOD,
AN UPLINK PACKET TRANSMISSION METHOD IN A
MULTI-CARRIER/DS-CDMA MOBILE COMMUNICATIONS SYSTEM,
AND A STRUCTURE OF A DOWNLINK CHANNEL IN A MULTI-
CARRIER/DS-CDMA MOBILE COMMUNICATIONS SYSTEM**

An uplink packet transmission method in a multi-carrier/DS-CDMA mobile communication system having n (n being a natural number equal to or more than two) subcarriers includes setting up frames that define constant intervals in each communication channel of the subcarriers, and further setting up time slots by temporally dividing each of the frames into F pieces (F being a natural number equal to or more than two), and spreading, in a mobile station, a packet to be transmitted by spreading codes in synchronization with timing of the time slots, and transmitting the packet to the base station.

Figure 28