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ABSTRACT OF THE DISCLOSURE

DATA LINK TRANSMISSION CONTROL METHODS, MOBILE
COMMUNICATION SYSTEMS, DATA LINK TRANSMISSION CONTROL
APPARATUS, BASE STATIONS, MOBILE STATIONS, MOBILE STATION
CONTROL PROGRAMS, AND COMPUTER-READABLE RECORDING MEDIA

A data link transmission control method according to the present invention is a data link transmission control method of performing data link transmission control comprising automatic repeat request control for transmission/reception of a packet between a mobile station and a plurality of base stations, wherein when during connection with a first base station, the mobile station sends a request for connection with a second base station to the first base station, the first base station transfers data link transmission control information to the second base station. Furthermore, a data link transmission control method of performing data link transmission control comprising automatic repeat request control for transmission/reception of a packet between a mobile station and a plurality of base stations, wherein a first base station stores and makes a copy of packet in which identification information specifying the packet has been added to packet addressed to the mobile station, wherein the first base station delivers the packet copy to a second base station, wherein the second base station stores the delivered packet copy, and wherein one or more base stations comprising the first base station transmit to the mobile station the packet accompanied by the identification information, or the delivered packet copy.

Figure 8

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