

ABSTRACT**PACKET COMMUNICATIONS SYSTEM, PACKET COMMUNICATIONS METHOD, BASE STATION, MOBILE STATION, CONTROL DEVICE AND PACKET COMMUNICATIONS PROGRAM**

The present invention improves a system capacity and satisfaction rate with a quality of service in packet
5 communications performed through a radio link established between a transmitting station and a receiving station by dynamically limiting transmission power of packets in the transmitting station and keeping an increase of an interference level in the receiving station, which belongs to another cell,
10 within a TPC margin. The present invention includes a resource allocator 115 configured to set transmission power of packets in a next step period, by use of transmission power of packets in a preceding step period (slot) and an interference level of the receiving station.