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(54) **DATA TRANSMISSION METHOD,  
TERMINAL, AND BASE STATION**

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**ABSTRACT**

Embodiments of the present disclosure provide a data transmission method, terminal, and base station, relate to the communications field, and can improve data packet transmission efficiency. The data transmission method includes: receiving, by a terminal in an idle state, a first resource sent from a base station, where the first resource is used by the terminal to send an uplink application layer data packet to the base station; and sending, by the terminal, on the first resource, the uplink application layer data packet to the base station. The data transmission method is applied to the data transmission system.

Terminal

Base  
station

S601. A terminal sends, on access resource, an access sequence to a base station, where the access resource is used to request the base station to allocate first resource to the terminal, and the first resource is used by the terminal to send an uplink application layer data packet to the base station

S602. The base station allocates the first resource to the terminal according to the access resource

S603. The base station sends the first resource to the terminal

S604. The terminal sends, on the first resource, the uplink application layer data packet to the base station

S605. The base station sends a downlink application layer data packet or downlink control information to the terminal, where the downlink application layer data packet or the downlink control information includes an identifier of a first terminal

S606. The terminal determines, according to the identifier of the first terminal, whether the base station successfully receives the uplink application layer data packet sent by the terminal