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(54) **METHOD AND APPARATUS FOR TRANSMITTING DATA IN COMMUNICATION SYSTEM**

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(57) **ABSTRACT**

An operation method of a terminal in a communication system may comprise: predicting traffic using a traffic prediction function configured according to traffic prediction configuration information; transmitting a buffer prediction status report including a traffic prediction result to a base station; receiving a first physical uplink shared channel (PUSCH) resource allocation information generated based on the buffer prediction status report; and transmitting data to the base station using first resources allocated by the first PUSCH resource allocation information.