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(54) **ENERGY-EFFICIENT METHOD AND APPARATUS FOR APPLICATION-AWARE PACKET TRANSMISSION**

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(57) **ABSTRACT**

Disclosed are application-aware packet transmission methods and apparatuses for a terminal. The application-aware packet transmission method comprises classifying applications according to delay sensitivities of the applications, determining a transmission pattern of packets for the classified applications; and transmitting the packets based on the determined transmission pattern. Thus, a battery of the terminal may be efficiently managed by applying user preferences and configuring transmission patterns of packets to be transmitted for each application differently. In addition, degradation of application performances and user experiences for the uses of applications can be prevented.

14 Claims, 9 Drawing Sheets

