

Abstract

USER EQUIPMENT, BASE STATION, AND RELATED METHOD

Embodiments of the present invention provide a method for performing early data transmission in a random access process, and a corresponding base station and corresponding user equipment. The method comprises: receiving a random access response message and a broadcast message, the random access response message comprising an uplink grant for user equipment to perform the early data transmission, wherein the uplink grant comprises information indicating resource allocation and information indicating a repetition number; determining, according to the uplink grant and/or the broadcast message, a maximum transmission block size allowed during the early data transmission and a resource and a repetition number corresponding thereto; obtaining, according to the allowed maximum transmission block size, candidate values of available transmission block sizes and a resource and a repetition number corresponding to each candidate value; and selecting, according to the size of uplink data to be transmitted, a candidate value of a suitable transmission block size and a resource and a repetition number corresponding thereto to perform the early data transmission in a random access message 3. The method according to the embodiments of the present invention can reduce the power consumption of UE.

Figure 2