

ABSTRACT

This application relates to the field of wireless communication technologies, and provides a random access method and an apparatus, to improve random access reliability. In the method, a terminal device receives configuration information from a network device, where the configuration information indicates a first quantity of times and a first random access resource corresponding to the first quantity of times. The first random access resource and the first quantity of times correspond to N beams, the first quantity of times is greater than 1, and N is an integer greater than 1. The terminal device sends a first preamble based on the N beams and the first random access resource. A quantity of transmissions of the first preamble on the N beams is the first quantity of times. Based on this solution, the terminal device may send a random access preamble by using a plurality of beams. In comparison with sending a random access preamble by using a single beam, this solution can improve uplink coverage and improve random access reliability.

(FIG.3)