

Abstract

Embodiments of the present disclosure relate to a resource configuration method and apparatus, a communication device, and a storage medium. A user equipment (UE) determines a physical random access channel (PRACH) resource according to the number of antennas of the UE and a channel measurement result. On the basis of both the number of antennas of the UE and the channel measurement result, the PRACH resource corresponding to the coverage enhancement level is determined, thereby reducing the deviation generated by determining the coverage enhancement requirement according to only the channel measurement result, and thus improving the accuracy of selecting the PRACH resource for indicating coverage enhancement, and reducing the problem of instable signal transmission due to the use of the excessively low coverage enhancement level or the problem of high power consumption due to the use of the excessively high coverage enhancement level.

FIG. 2