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ZHANG et al.(10) **Pub. No.: US 2023/0232465 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **METHOD FOR RANDOM ACCESS, USER
EQUIPMENT AND BASE STATION***H04W 52/42* (2006.01)*H04W 52/48* (2006.01)*H04W 52/50* (2006.01)*H04W 74/00* (2006.01)(71) Applicant: **Samsung Electronics Co., Ltd.**,
Suwon-si (KR)(72) Inventors: **Yingjie ZHANG**, Beijing (CN); **Bin
YU**, Beijing (CN); **Chen QIAN**,
Beijing (CN); **Di SU**, Beijing (CN); **Qi
XIONG**, Beijing (CN); **Jingxing FU**,
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H04W 74/006 (2013.01)(21) Appl. No.: **18/190,651**(22) Filed: **Mar. 27, 2023****Related U.S. Application Data**(63) Continuation of application No. 17/329,016, filed on
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H04W 52/36 (2006.01)(57) **ABSTRACT**

The present disclosure relates to a communication method and system for converging a 5th-Generation (5G) communication system for supporting higher data rates beyond a 4th-Generation (4G) system with a technology for Internet of Things (IoT). The present disclosure may be applied to intelligent services based on the 5G communication technology and the IoT-related technology, such as smart home, smart building, smart city, smart car, connected car, health care, digital education, smart retail, security and safety services. Embodiments of the present invention provide a method for RACH re-attempt, a user equipment and a base station. The method comprises the steps of: by a base station, determining system configuration information and transmitting the system configuration information to a user equipment; and then, by the user equipment, transmitting a preamble sequence to perform random access, and if the random access is failed, performing RACH attempt according to the received RACH re-attempt configuration information to perform random access until a preset decision condition is satisfied. The embodiment of the present invention is used for RACH re-attempt when random access fails.

