

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2023/0232189 A1 KIM et al.

Jul. 20, 2023 (43) Pub. Date:

(54) MOBILITY SUPPORT METHOD AND DEVICE FOR MULTICAST SERVICE IN **NEXT GENERATION MOBILE COMMUNICATION SYSTEM**

(71) Applicant: Samsung Electronics Co., Ltd., Suwon-

si, Gyeonggi-do (KR)

Inventors: **Donggun KIM**, Suwon-si (KR);

Soenghun KIM, Suwon-si (KR)

18/010,639 (21) Appl. No.: (22) PCT Filed: Jun. 18, 2021

(86) PCT No.: PCT/KR2021/007689

§ 371 (c)(1),

(2) Date: Dec. 15, 2022

(30)Foreign Application Priority Data (KR) 10-2020-0074842

Publication Classification

(51) Int. Cl. H04W 4/06 (2006.01)H04W 76/40 (2006.01) (52) U.S. Cl. CPC *H04W 4/06* (2013.01); H04W 76/40 (2018.02)

(57)**ABSTRACT**

The present disclosure relates to: a communication technique merging IoT technology with a 5G communication system for supporting a data transmission rate higher than a 4G system; and a system therefor. The present disclosure can be applied to intelligent services (for example, smart homes, smart buildings, smart cities, smart cars or connected cars, healthcare, digital education, retail, security- and safetyrelated services, and the like) on the basis of a 5G communication technology and IoT-related technology. Disclosed in the present invention is a method for structuring or setting a multicast bearer or unicast bearer supporting an MBS service so as to support the MBS service in a next-generation mobile communication system, and a method for processing data of a PHY layer device, MAC layer device, RLC layer device or PDCP layer device receiving and processing MBS

