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(19) **United States**(12) **Patent Application Publication**  
**NAM et al.**(10) **Pub. No.: US 2023/0232293 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **ELECTRONIC DEVICE AND ROAMING METHOD****Publication Classification**(71) Applicant: **SAMSUNG ELECTRONICS CO., LTD.**, Suwon-si (KR)(51) **Int. Cl.****H04W 36/00** (2006.01)**H04W 36/08** (2006.01)(52) **U.S. Cl.****CPC . H04W 36/00837** (2018.08); **H04W 36/0094** (2013.01); **H04W 36/08** (2013.01)(72) Inventors: **Chounjong NAM**, Suwon-si (KR); **Sungbin MIN**, Suwon-si (KR); **Changmok YANG**, Suwon-si (KR); **Sunkee LEE**, Suwon-si (KR); **Eonji LEE**, Suwon-si (KR); **Mincheol JEONG**, Suwon-si (KR); **Junyeop JUNG**, Suwon-si (KR); **Junsu CHOI**, Suwon-si (KR)(57) **ABSTRACT**

An electronic device includes a wireless communication module configured to transceive a wireless signal, a processor operatively connected to the wireless communication module, and a memory electrically connected to the processor and configured to store instructions executable by the processor, wherein, when the instructions are executed by the processor, the processor is configured to determine whether roaming is triggered by a roaming trigger while forming a plurality of links with and connected to an access point (AP), determine a state of the plurality of links by responding to the roaming trigger, and differentiate and perform roaming operations according to the state of the plurality of links. In addition, various embodiments may be possible.

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