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Kim(10) **Pub. No.: US 2023/0232489 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **METHOD AND APPARATUS FOR DATA
TRANSFER IN RRC_INACTIVE STATE IN
MOBILE WIRELESS COMMUNICATION
SYSTEM**(52) **U.S. Cl.**
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BLACKPIN INC., Seoul (KR)(57) **ABSTRACT**(72) Inventor: **Soenghun Kim**, Gyeonggi-do (KR)(21) Appl. No.: **18/122,135**(22) Filed: **Mar. 16, 2023****Related U.S. Application Data**(63) Continuation of application No. PCT/KR2022/
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A method and apparatus for data transfer in RRC_INACTIVE state is provided. Method for data transfer in RRC_INACTIVE state includes transmitting a UE Capability information, receiving a RRCRelease, starting a timer with the timer value set to the timerValue1, receiving a system information and initiating a second resume procedure and stopping the timer after restoring a configuration for SRB1 stored in UE Inactive AS (Access Stratum) context. The RRCRelease includes a first information for second resume procedure and a timerValue1, the first information for second resume procedure includes a SRB2(Signaling Radio Bearer2) indicator and a DRB(Data Radio Bearer) list. The system information includes a first threshold and a second threshold, the first threshold is related to a reference signal received power and the second threshold is related to a data volume.

