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(54) Title: SYSTEM AND METHOD FOR UPLINK GRANT-FREE TRANSMISSION SCHEME

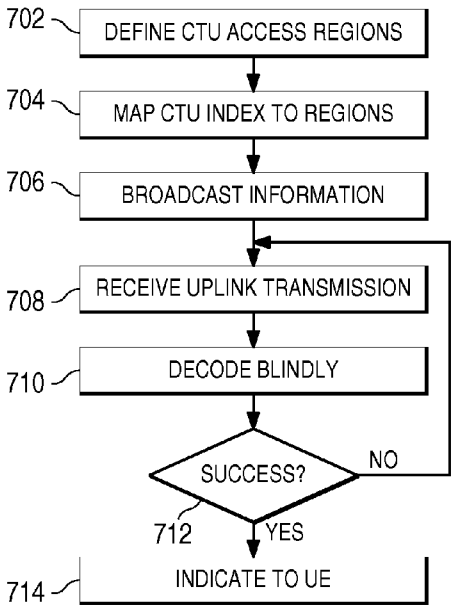

FIG. 7A

(57) Abstract: A method embodiment includes implementing, by a base station (BS), a grant-free uplink transmission scheme. The grant-free uplink transmission scheme defines a first contention transmission unit (CTU) access region in a time-frequency domain, defines a plurality of CTUs, defines a default CTU mapping scheme by mapping at least some of the plurality of CTUs to the first CTU access region, and defines a default user equipment (UE) mapping scheme by defining rules for mapping a plurality of UEs to the plurality of CTUs.

WO 2014/135126 A1

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