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(54) Title: SECURED FRAME IN ULTRA-WIDEBAND

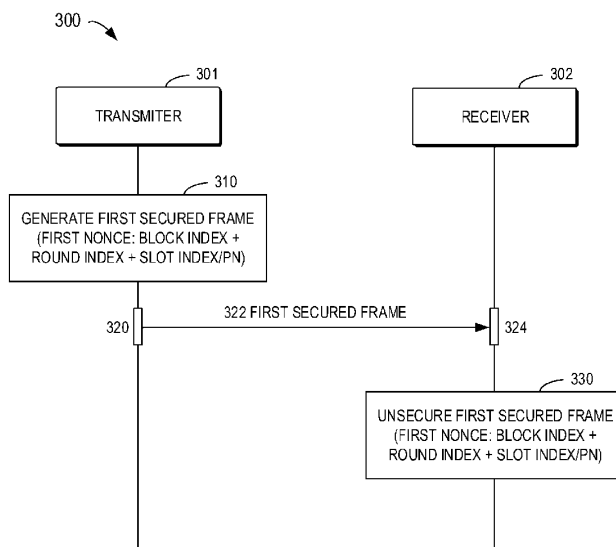


FIG. 3

(57) Abstract: Example embodiments of the present disclosure relate to methods, devices, apparatuses and a computer readable storage medium for communication. In some embodiments, a first secured frame to be transmitted in a slot in a first round belonging to a first block based on a block-based time structure or a hyper block-based time structure may be generated, where the block-based time structure or the hyper block-based time structure comprises a plurality of blocks, each block of the plurality of blocks comprises a plurality of rounds, each round of the plurality of rounds comprises a plurality of slots, the first secured frame is secured by a first nonce being constructed based on identifying information associated with the first secured frame, a round index and a block index, the round index is an index of the first round, and the block index is an index of the first block. As such, the security operation may be performed and the communication can be guaranteed to be secured.

[Continued on next page]

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