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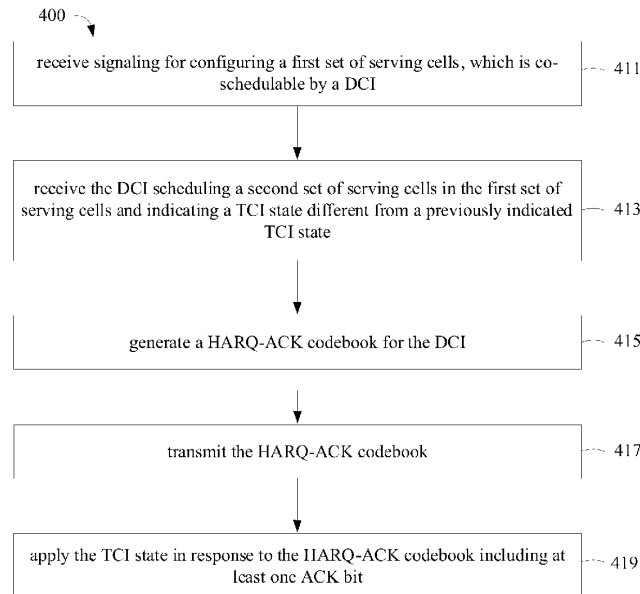


FIG. 4

(57) Abstract: Embodiments of the present disclosure relate to methods and apparatuses for HARQ-ACK feedback generation. A UE may: receive signaling for configuring a first set of serving cells, which is co-schedulable by a DCI; receive the DCI scheduling a second set of serving cells in the first set of serving cells and indicating a TCI state different from a previously indicated TCI state; generate a HARQ-ACK codebook for the DCI; transmit the HARQ-ACK codebook; and apply the TCI state in response to the HARQ-ACK codebook including at least one ACK bit.

[Continued on next page]

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