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(54) Title: TYPE 2 HARQ CODEBOOK DETERMINATION IN PRESENCE OF PDCCH REPETITIONS

(57) Abstract: Systems and methods for codebook determination are provided herein. In some embodiments, a method performed by a wireless device for constructing a codebook includes: defining a first Physical Downlink Control Channel (PDCCH) occasion among multiple PDCCH occasions associated with a PDCCH; identifying the first PDCCH occasion for each detected Downlink Control Information (DCI); and constructing a codebook based on the first PDCCH occasion of all detected PDCCHs with a counter field in the corresponding DCIs. In this way, Type 2 Hybrid Automatic Repeat Request (HARQ) Acknowledgement (ACK) codebook construction is enabled in the presence of PDCCH repetitions with minimum specification changes.

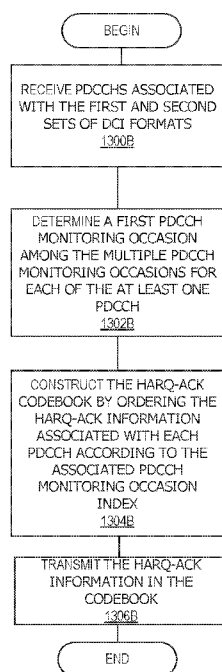


FIG. 13B