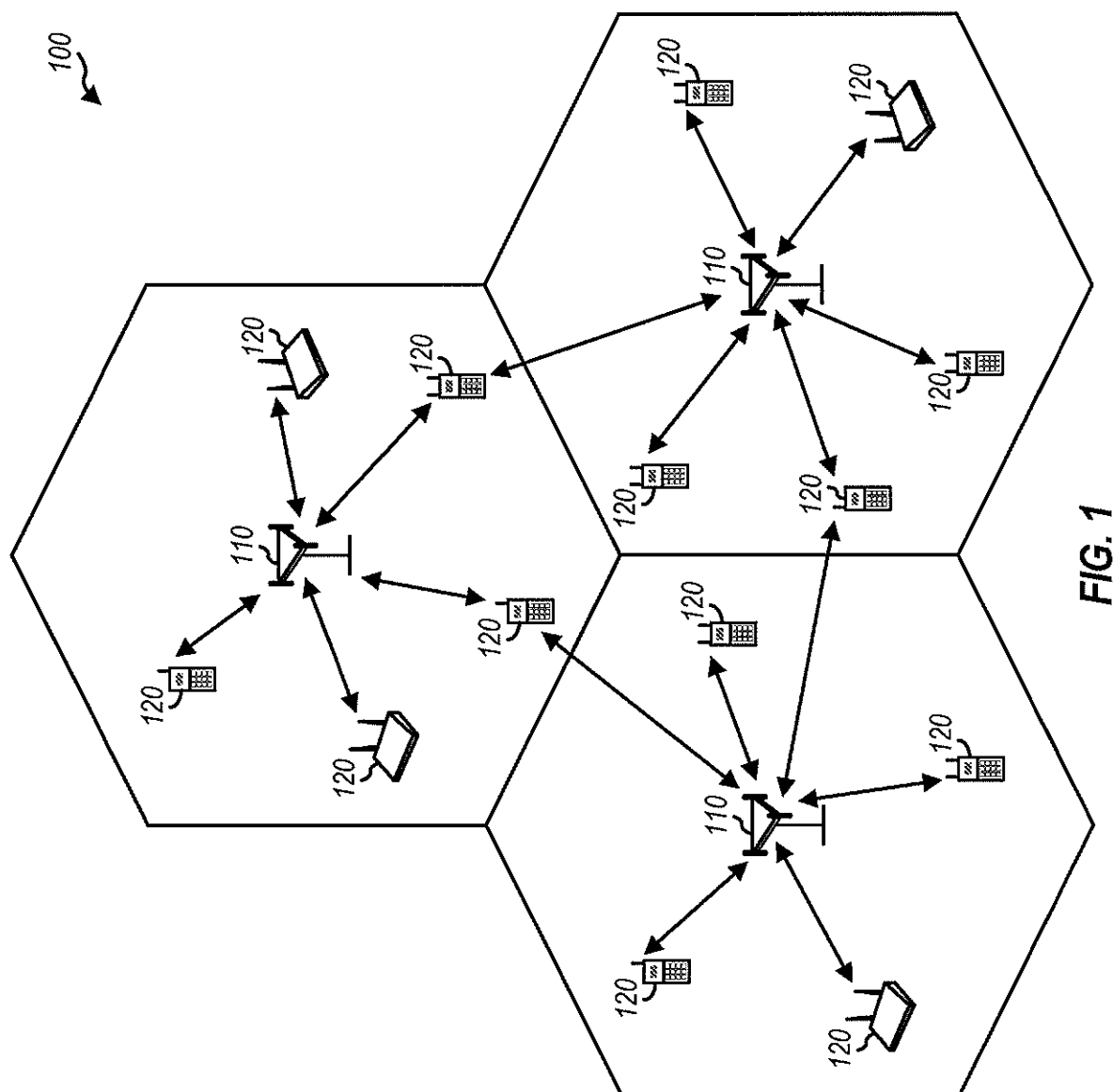


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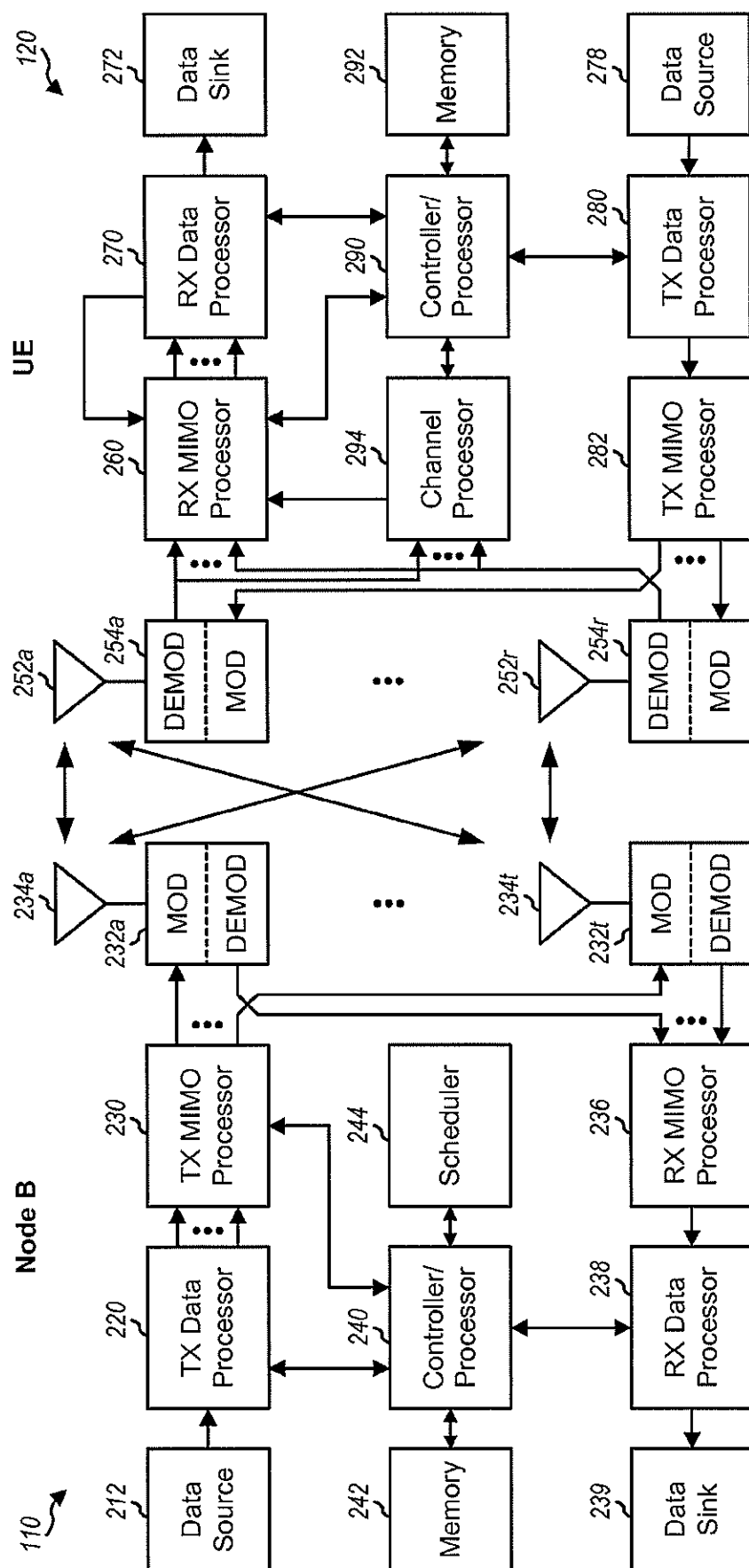
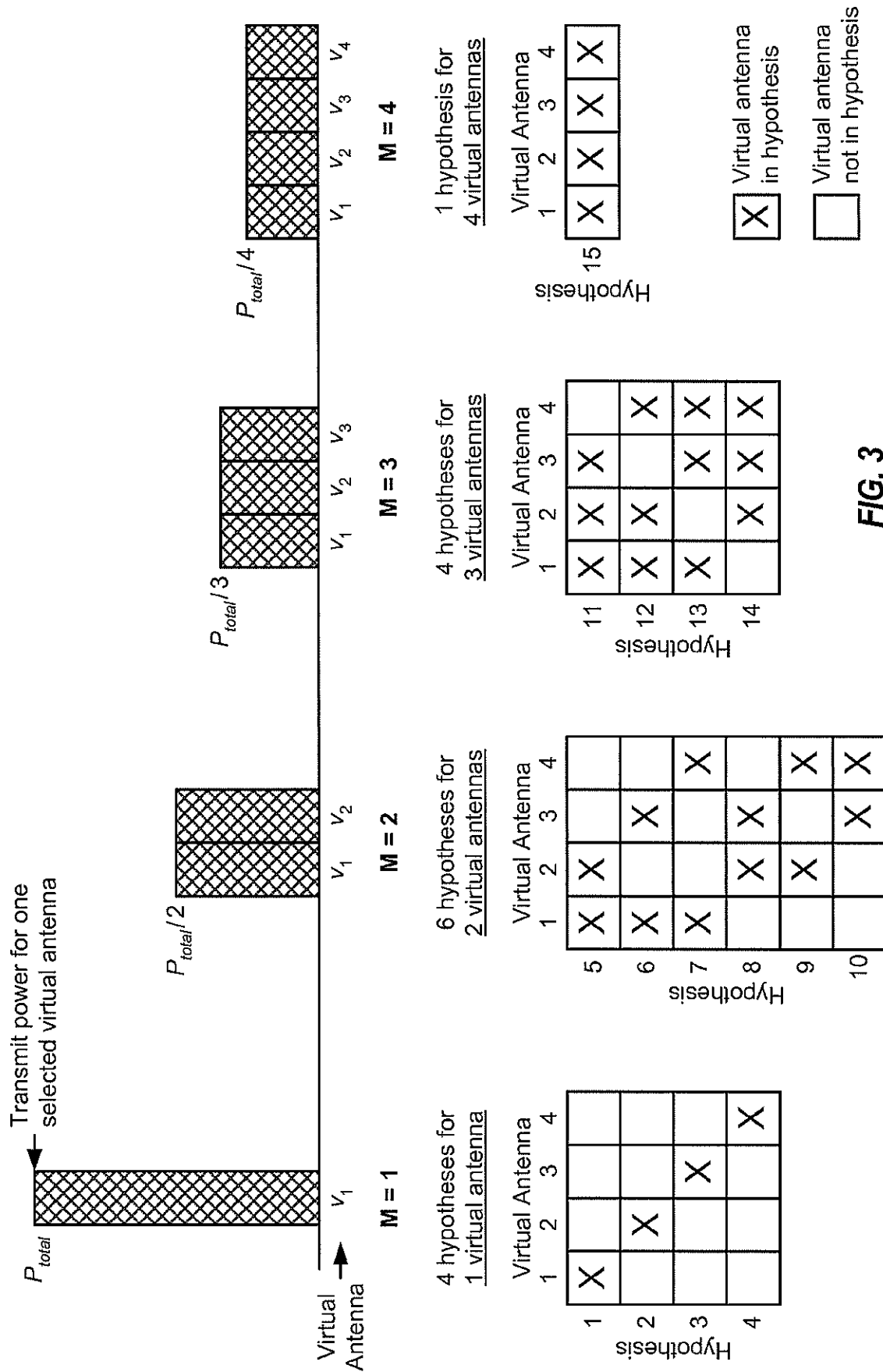


FIG. 2



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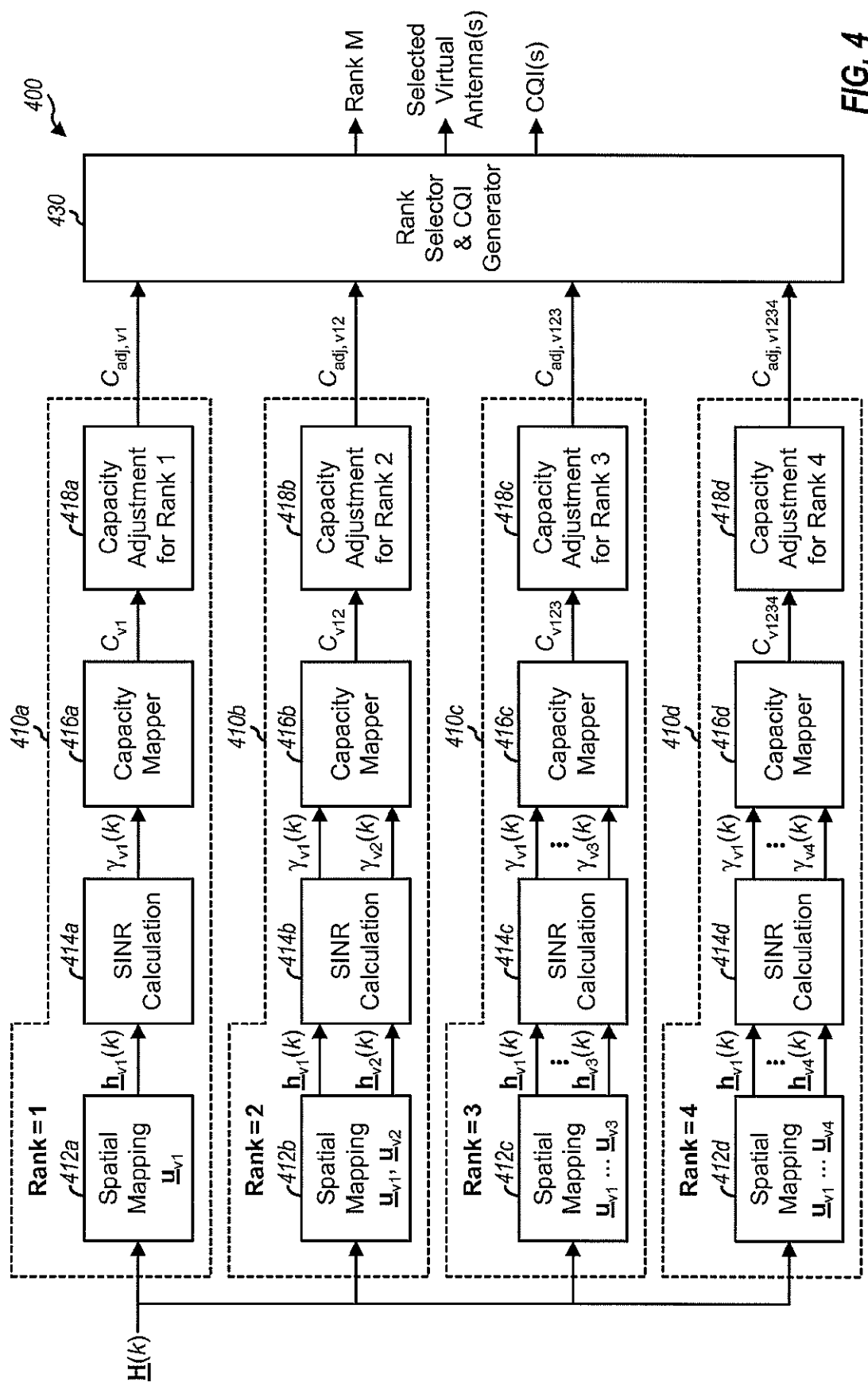
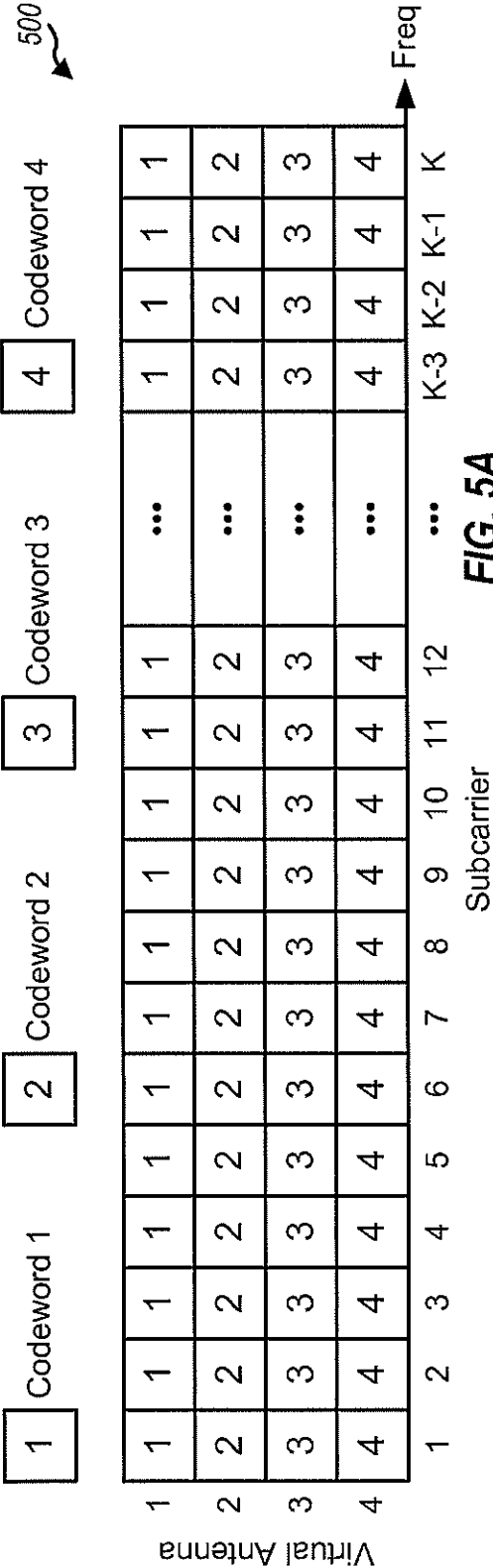
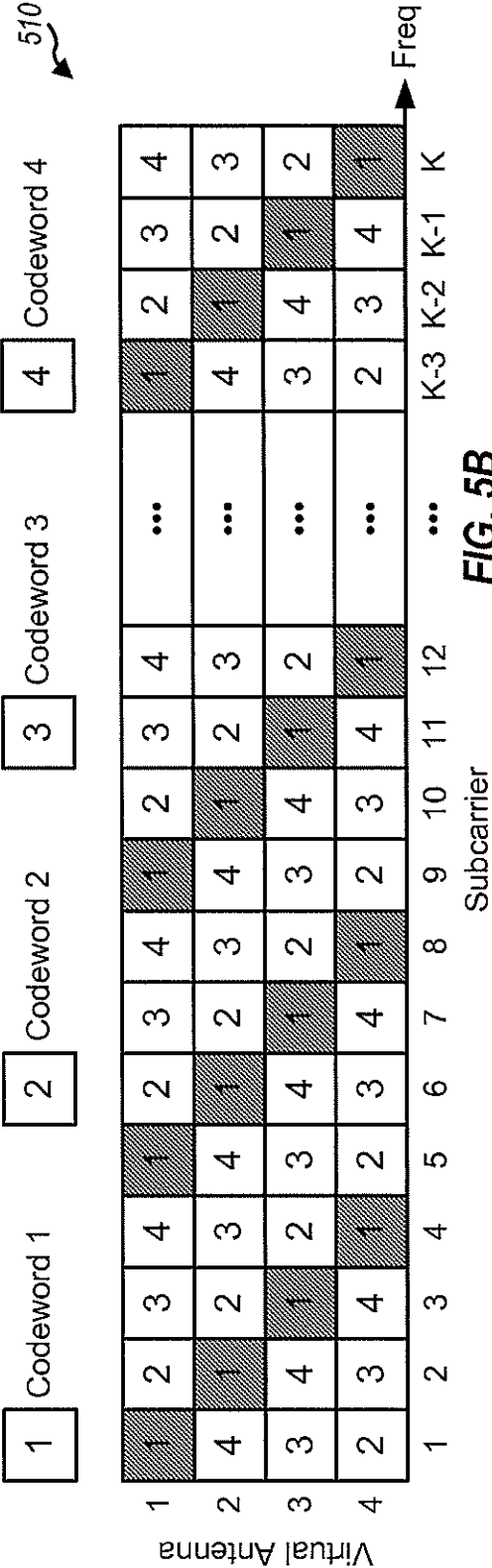


FIG. 4

No Layer Permutation



Layer Permutation



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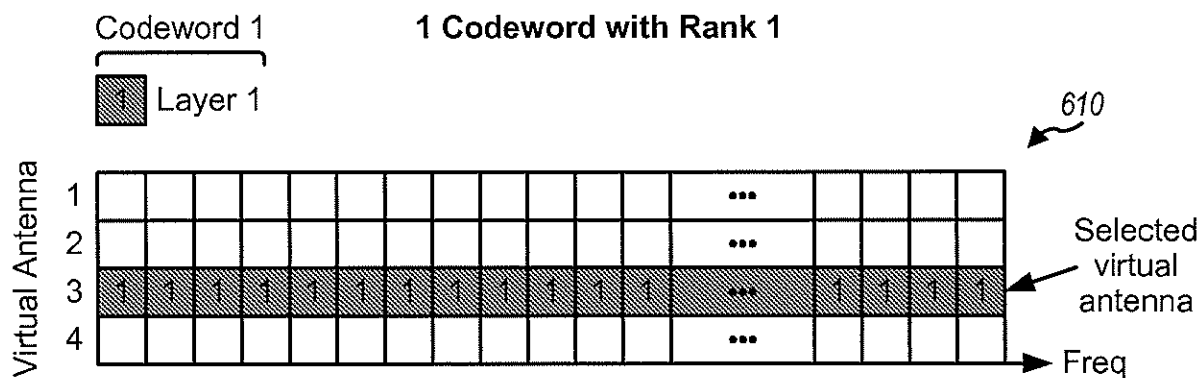


FIG. 6A

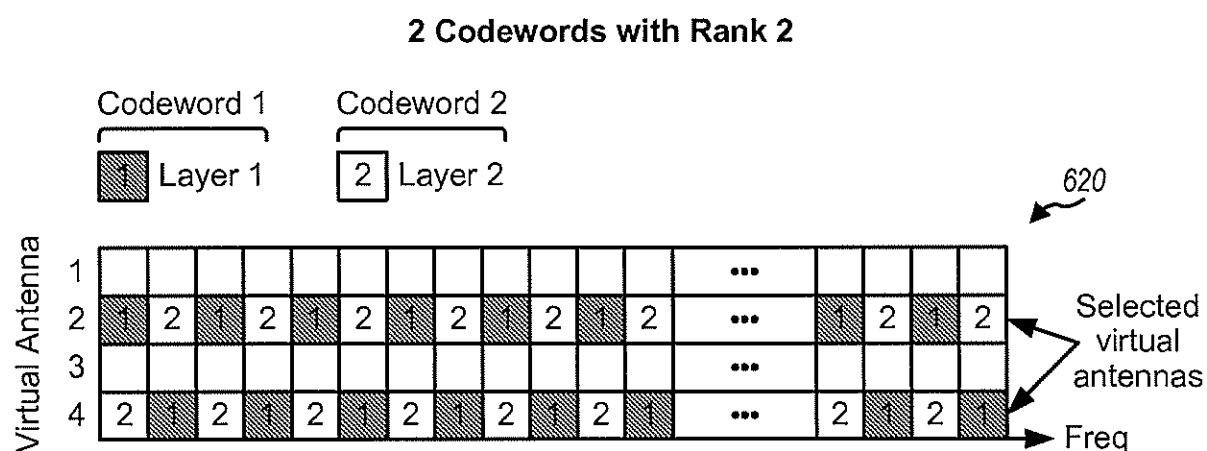


FIG. 6B

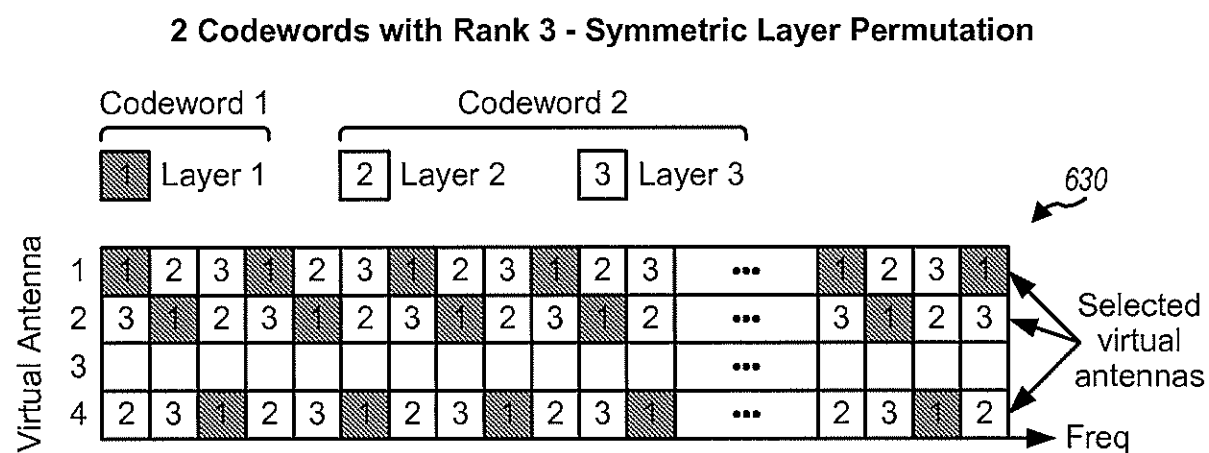
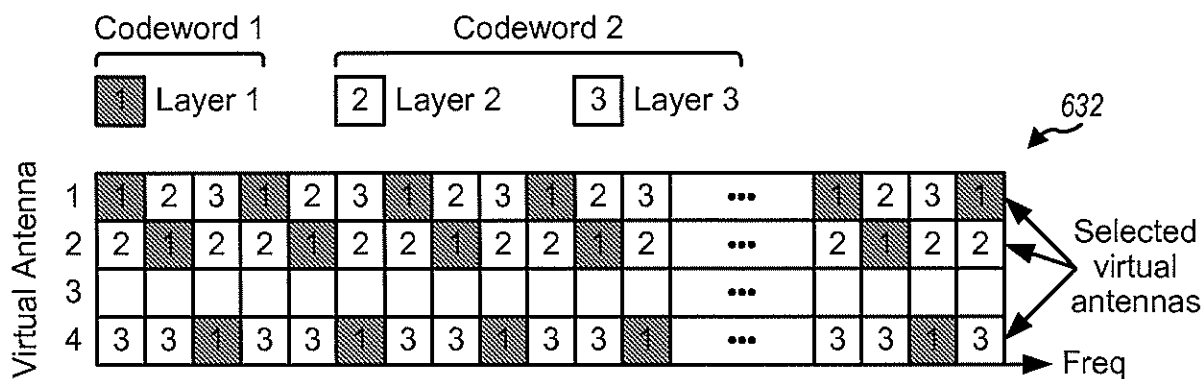
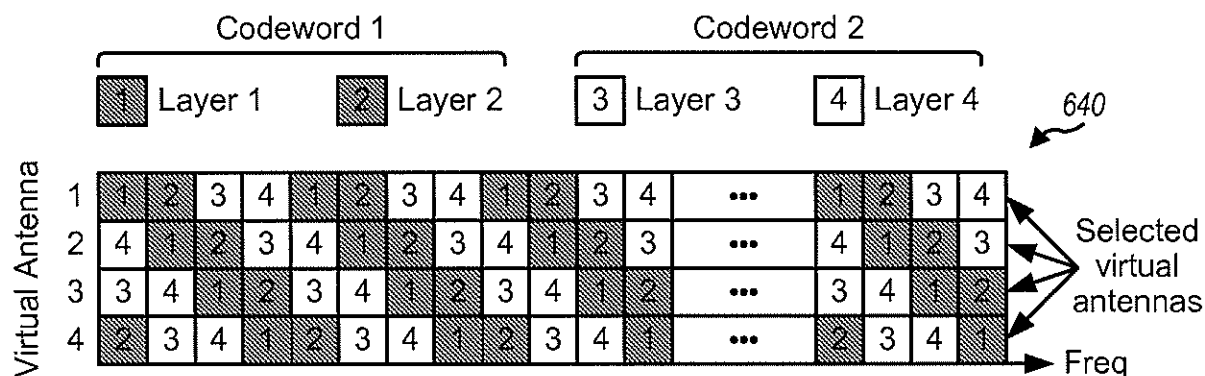
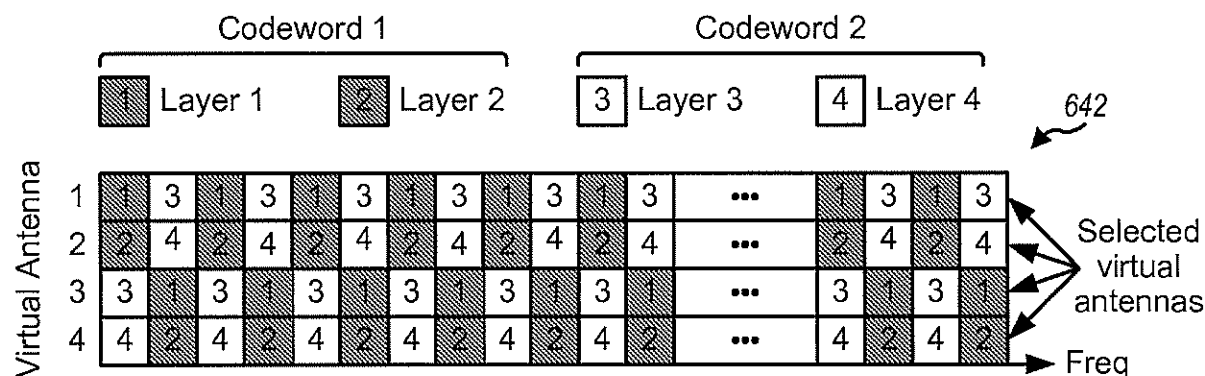


FIG. 6C

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2 Codewords with Rank 3 - Asymmetric Layer Permutation**FIG. 6D****2 Codewords with Rank 4 - Symmetric Layer Permutation****FIG. 6E****2 Codewords with Rank 4 - Asymmetric Layer Permutation****FIG. 6F**

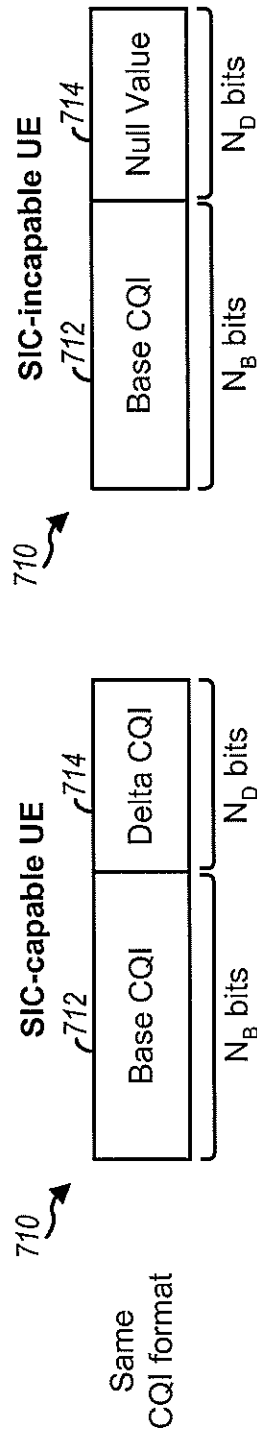


FIG. 7A

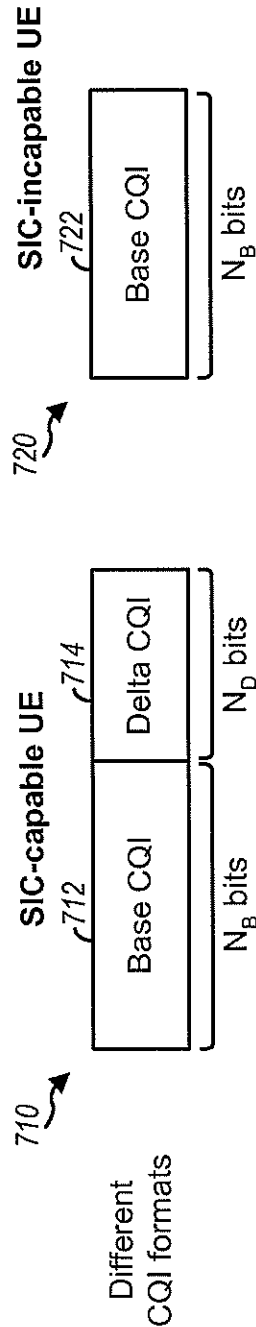


FIG. 7B

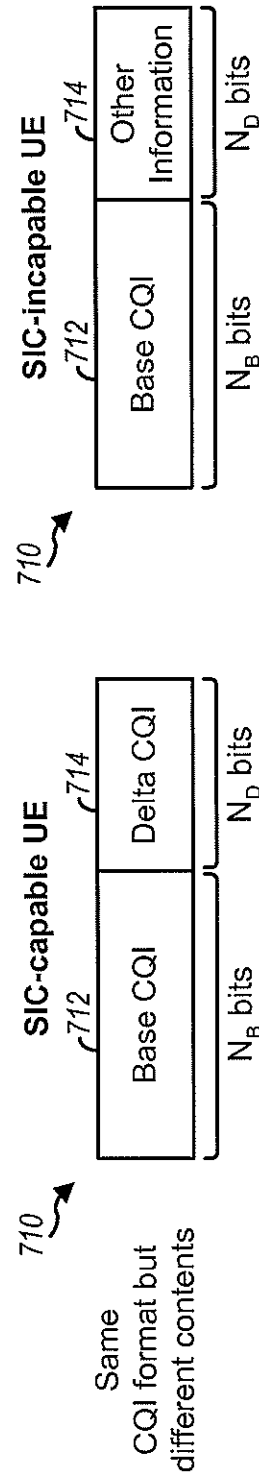


FIG. 7C

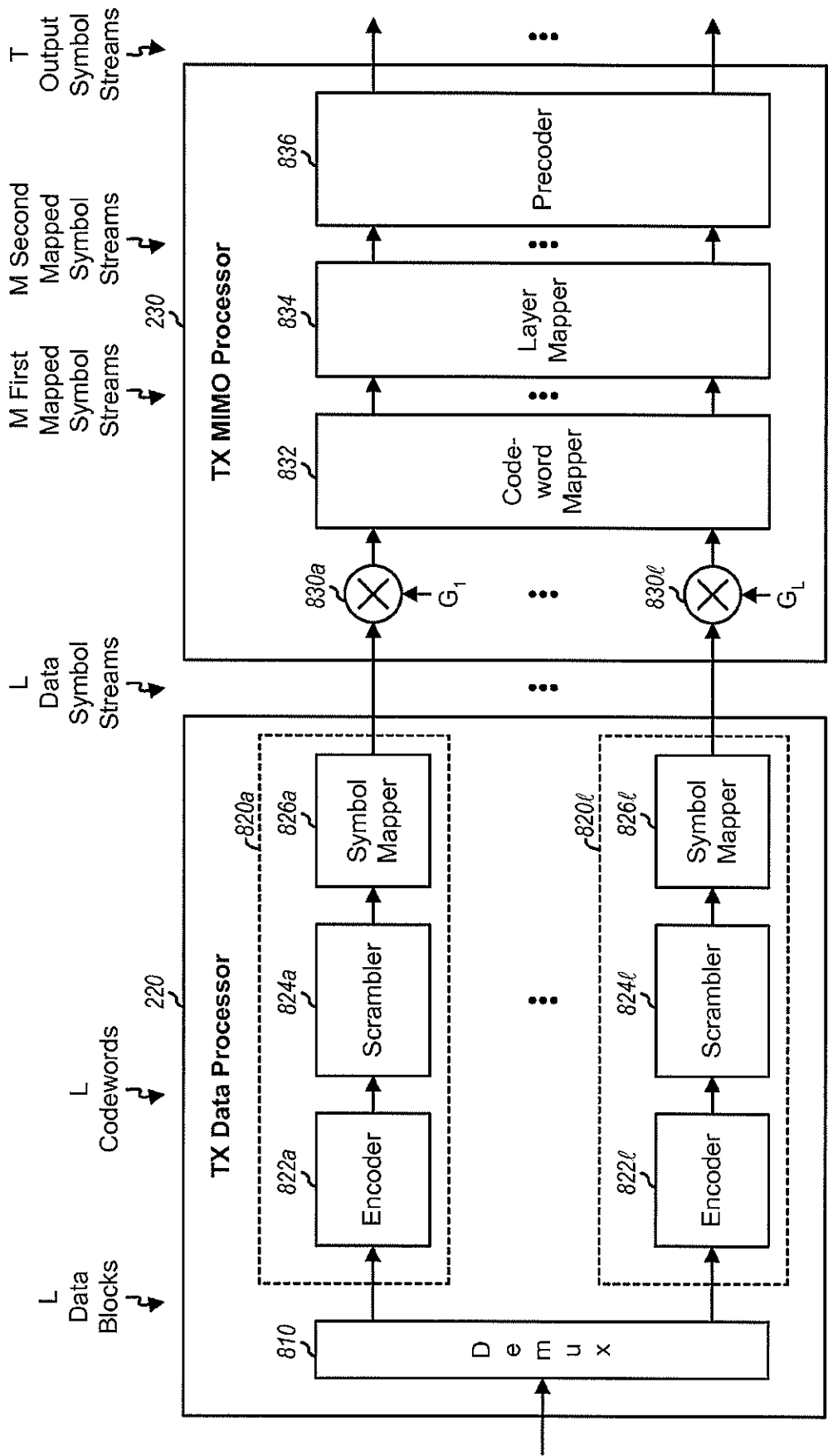


FIG. 8

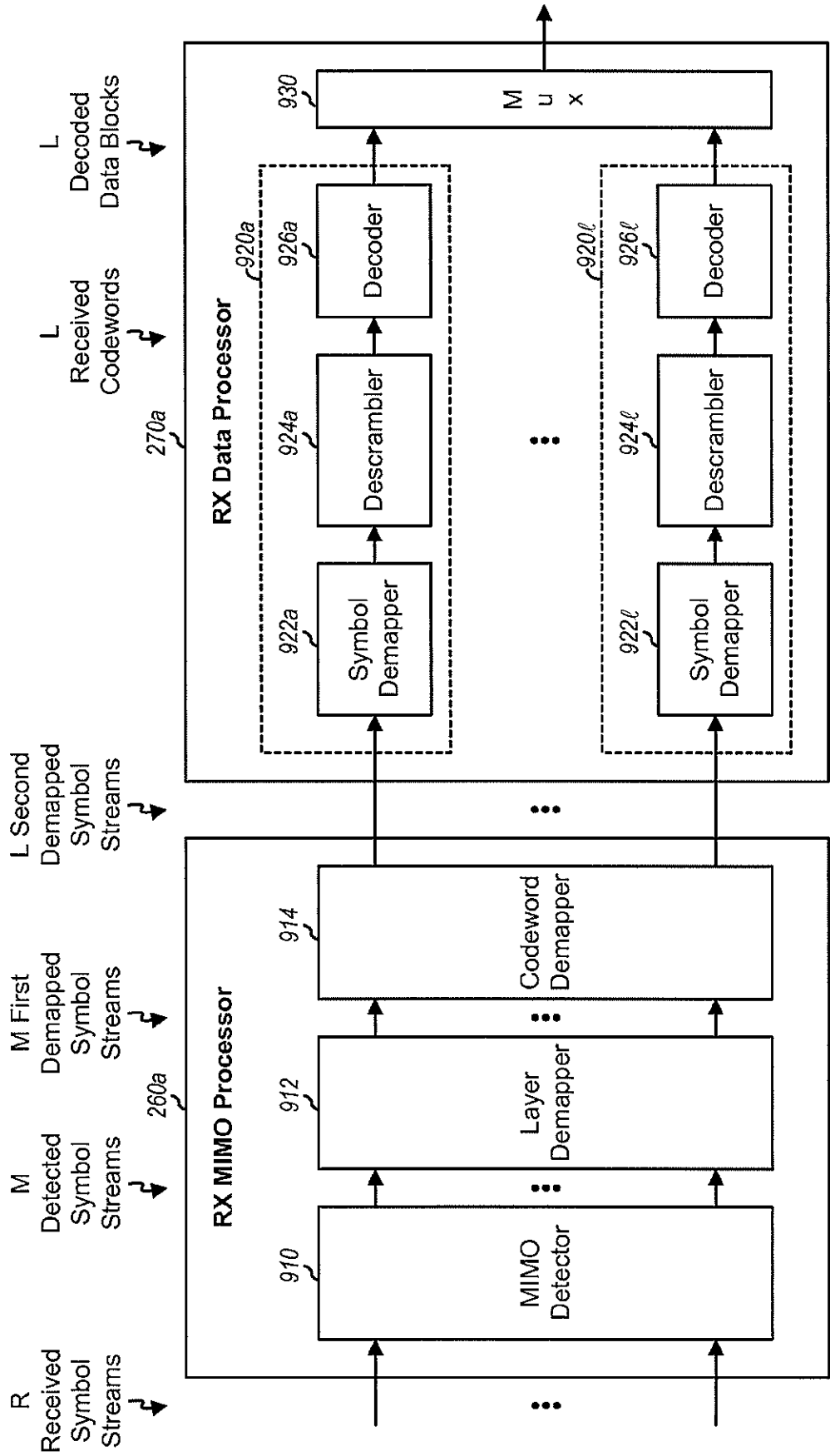


FIG. 9

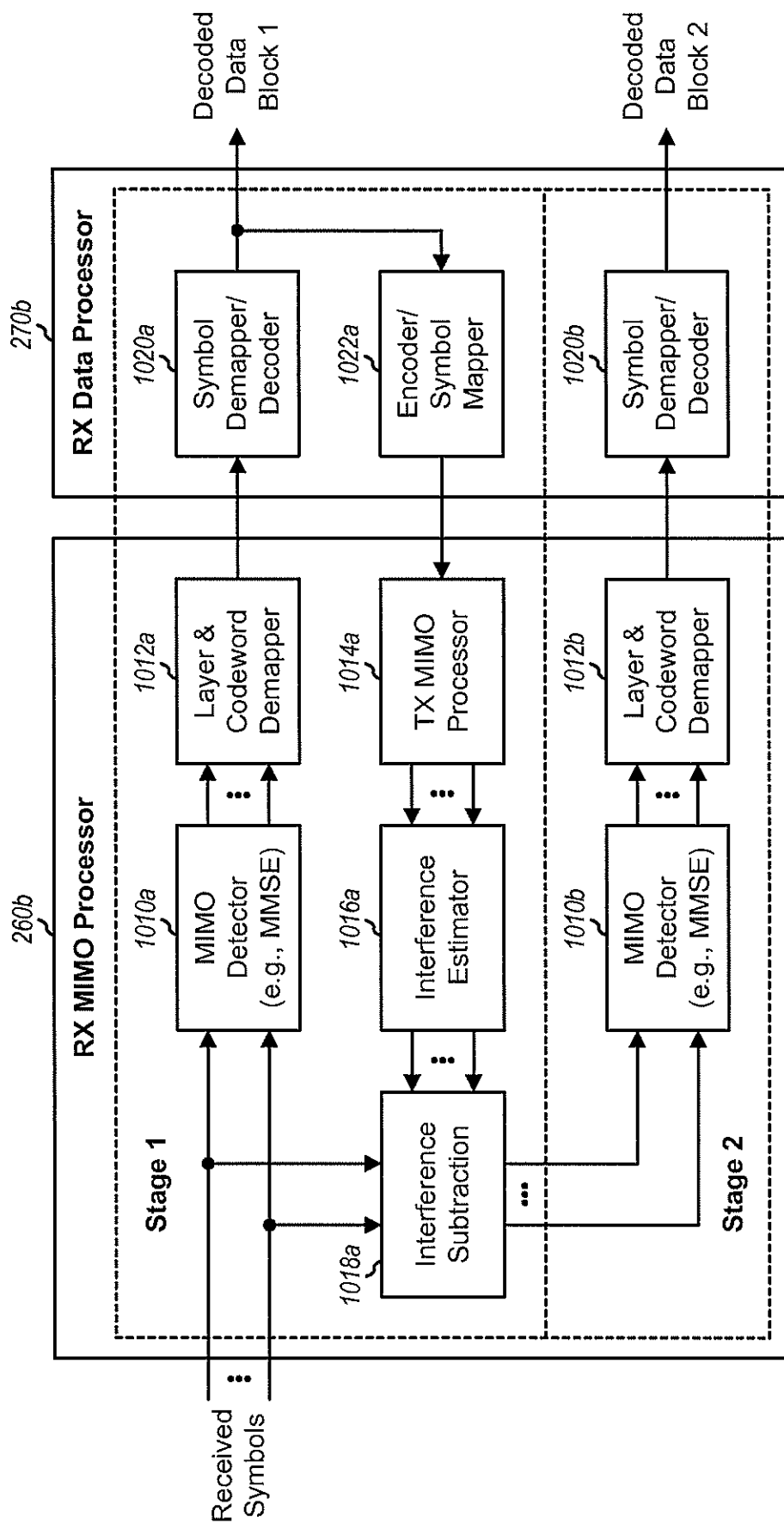


FIG. 10

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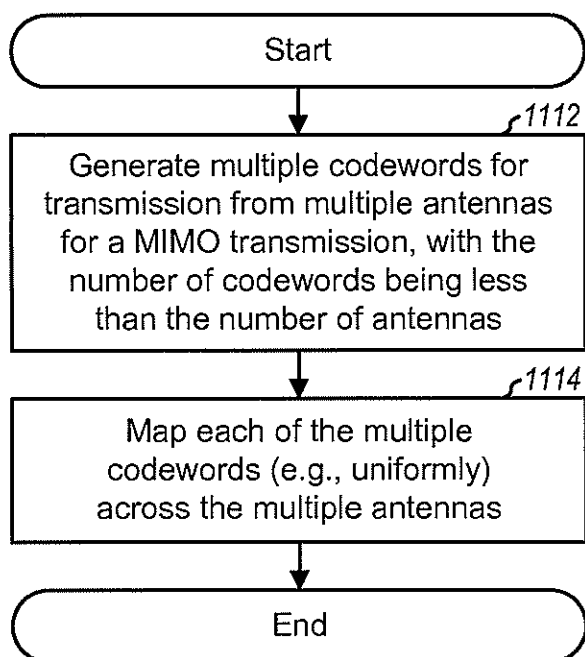


FIG. 11

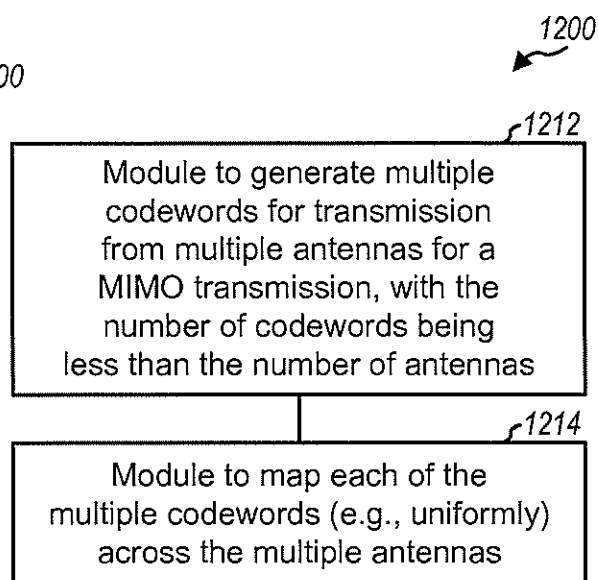


FIG. 12

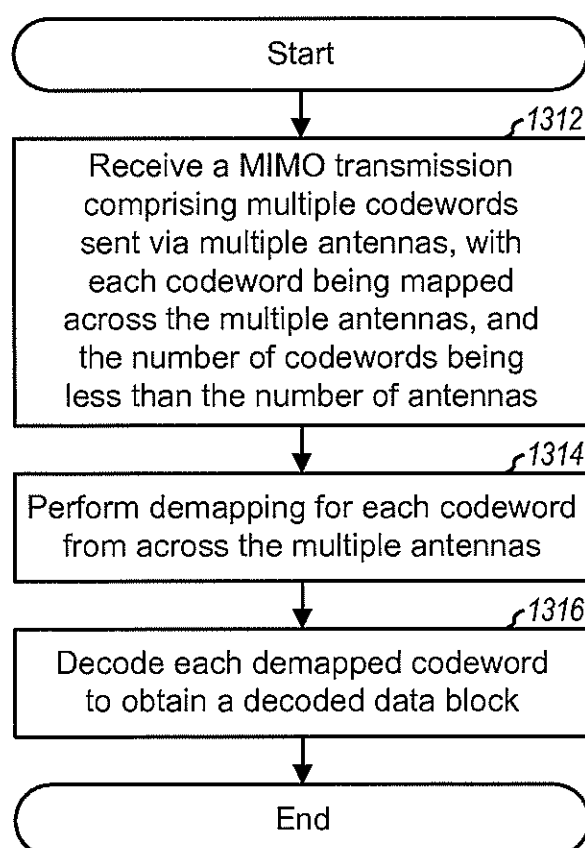


FIG. 13

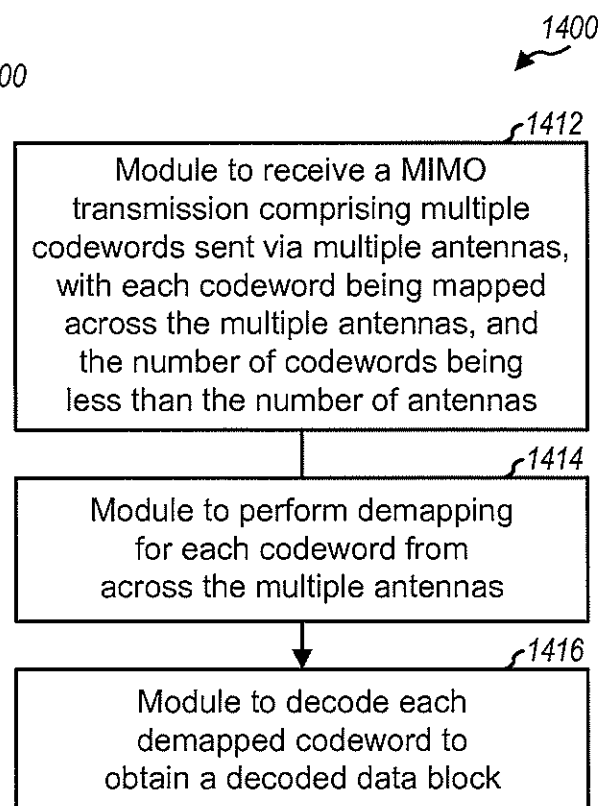


FIG. 14

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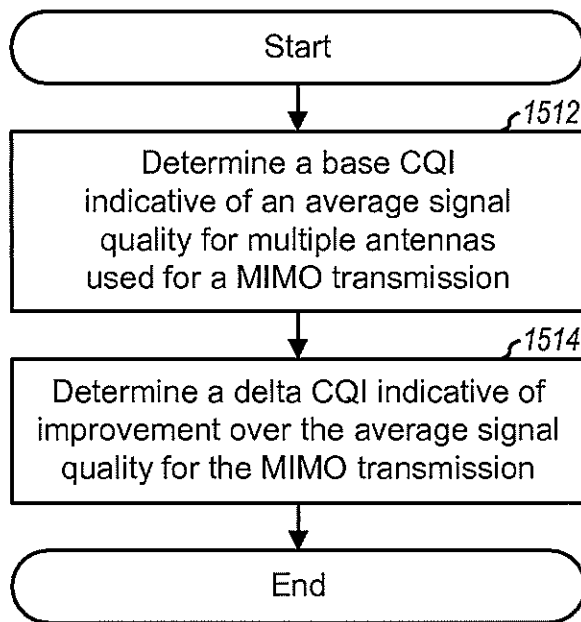


FIG. 15

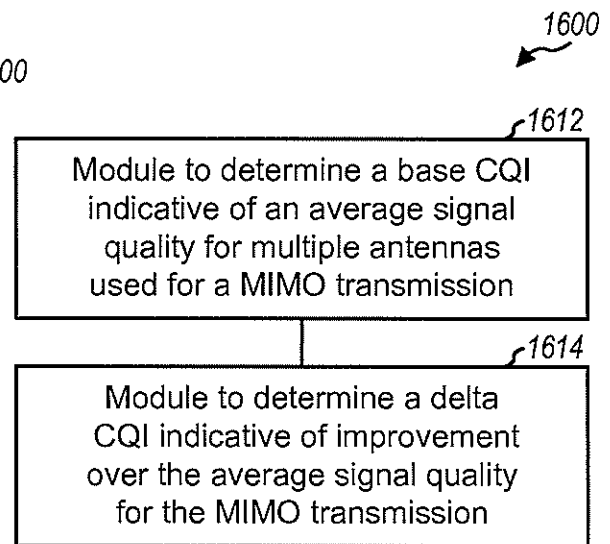


FIG. 16

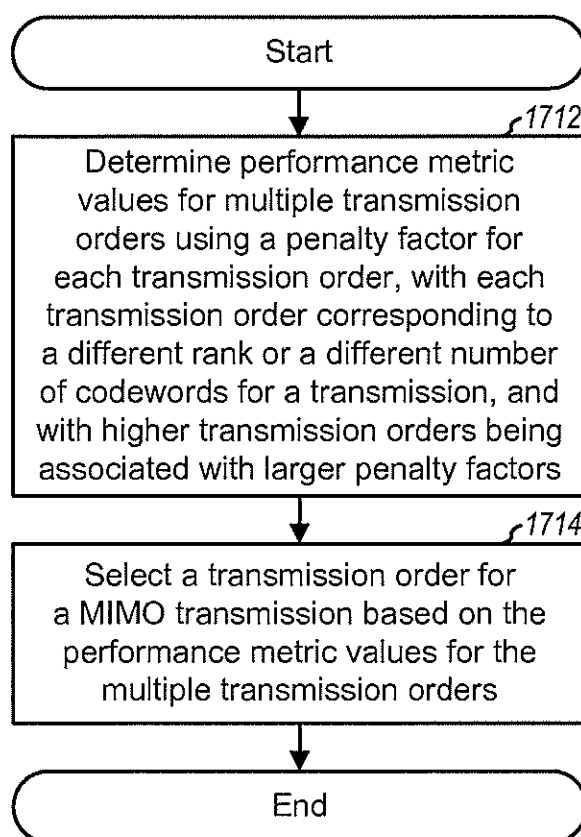


FIG. 17

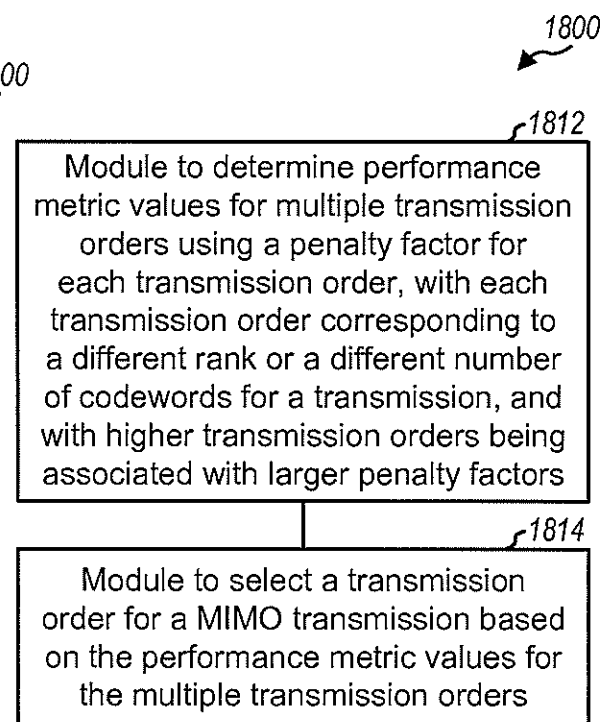


FIG. 18