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(54) **Title:** CHANNEL INTERLEAVING STRUCTURE FOR A WIRELESS COMMUNICATION SYSTEM

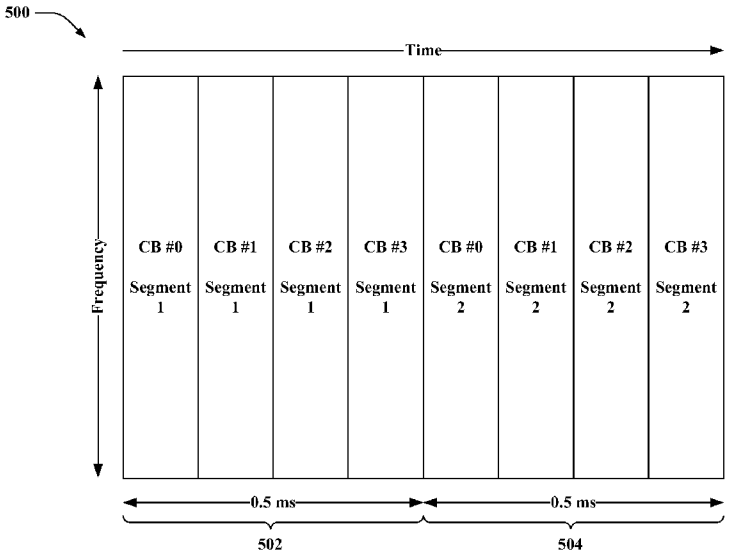

FIG. 5

(57) **Abstract:** Systems and methodologies are described that facilitate employing a hybrid transmission structure in a wireless communication environment. Each transport block (e.g., MAC PDU) can be split into multiple code blocks. Moreover, each of the code blocks can be further divided into two or more code block segments. Further, code block segments from a given code block can be transmitted over a channel during disparate time slots of a subframe. Also, within a given subframe, code block segments corresponding to differing code blocks can be transmitted sequentially in time. Utilization of the foregoing can enable employment of a pipelined decoder structure at a receiver while allowing for optimization of time/frequency diversity.

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