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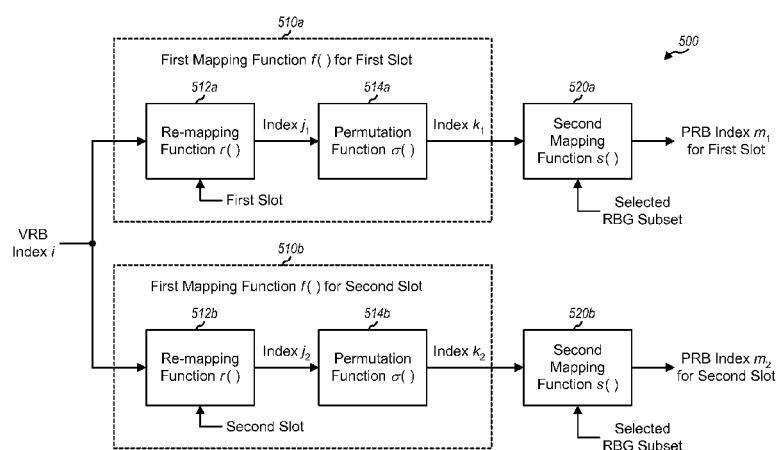


FIG. 5

(57) Abstract: Techniques for mapping virtual resources to physical resources in a wireless communication system are described. In an aspect, a virtual resource (e.g., a virtual resource block) may be mapped to a physical resource in a selected subset of physical resources based on a first mapping function, which may map contiguous virtual resources to non-contiguous physical resources in the selected subset. The physical resource in the selected subset may then be mapped to an allocated physical resource (e.g., a physical resource block) among a plurality of available physical resources based on a second mapping function. In one design, the first mapping function may include (i) a re-mapping function that maps an index of the virtual resource to a temporary index and (ii) a permutation function (e.g., a bit-reversed row-column interleaver) that maps the temporary index to an index of the physical resource in the selected subset.

