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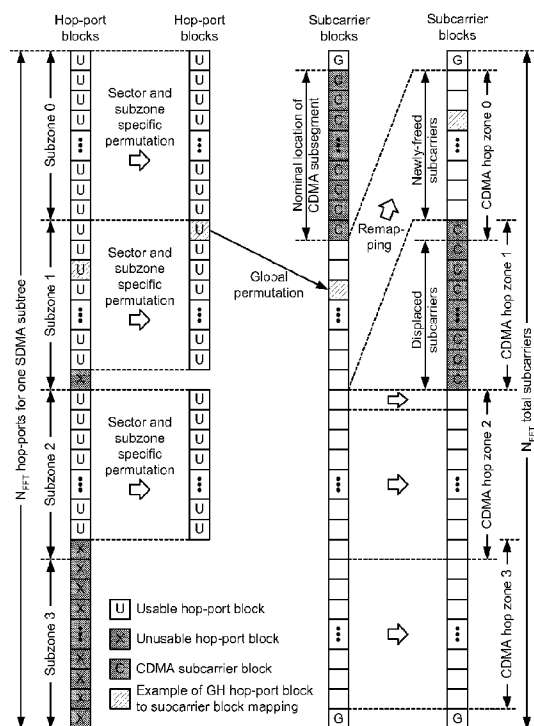
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(54) Title: RESOURCE ALLOCATION AND MAPPING IN A WIRELESS COMMUNICATION SYSTEM



(57) Abstract: Techniques for allocating and mapping resources in a wireless communication system are described. The system may use hop-ports to facilitate allocation and use of subcarriers. In one aspect, the hop-ports may be partitioned into multiple subzones, with each subzone including a configurable number of hop-ports. The hop-ports within each subzone may be permuted or shuffled based on a permutation function. After permutation, the hop-ports in all subzones may be mapped to the subcarriers based on local or global hopping. In another aspect, a set of hop-ports may be mapped to a set of subcarriers. A hop-port may be mapped to an unavailable subcarrier and may then be remapped to another available subcarrier. In yet another aspect, a set of hop-ports may be mapped to a set of subcarriers distributed (e.g., evenly) across all subcarriers but avoiding subcarriers in a reserved zone.

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