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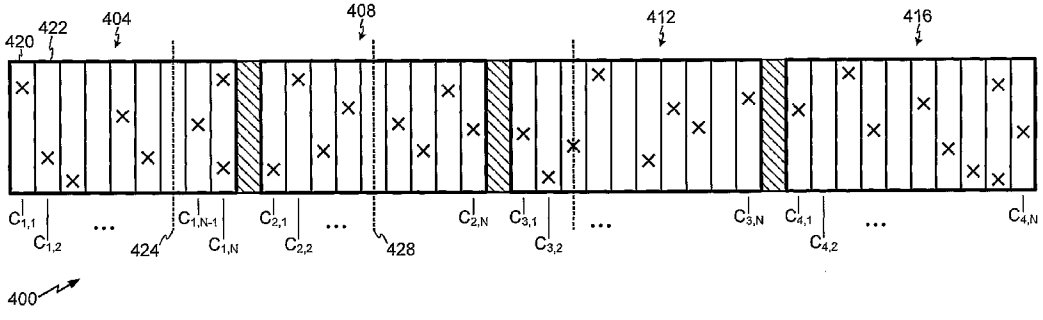
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(54) **Title:** CONSTRAINED HOPPING IN WIRELESS COMMUNICATION SYSTEMS



(57) **Abstract:** Embodiments described provide for resource allocation for a transmission to a wireless device. The frequency band is partitioned into at least two contiguous subbands. A determination is made whether it is desirable to transmit in a single subband or in more than one subband. The transmission is assigned to occur in either the single subband or to operate in more than one subband. If the transmission is restricted to one subband, the hop pattern is also restricted to subcarriers within the particular subband.

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