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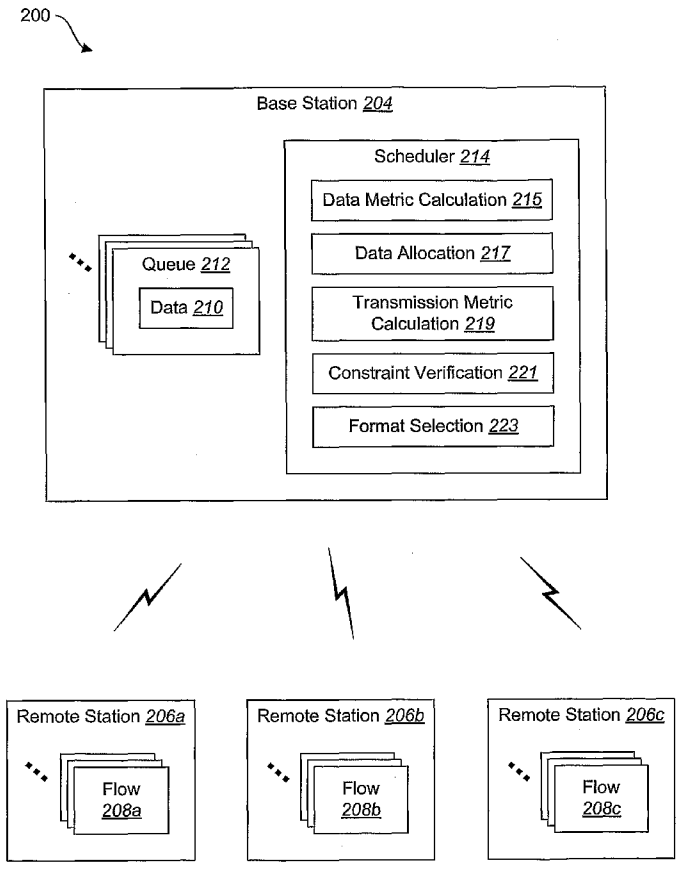
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(54) Title: SYSTEMS AND METHODS FOR OPTIMIZING THE RESOURCE ALLOCATION IN A WIRELESS COMMUNICATION SYSTEM



(57) Abstract: Systems and methods for optimizing the allocation of resources to serve different types of data flows in a wireless communication system are disclosed. An exemplary method involves calculating data metrics for data in a plurality of queues. Each queue corresponds to a different data flow in the wireless communication system. The data metrics are used to determine a separate transmission metric for each of a plurality of possible transmission formats. The transmission metric for a given transmission format is dependent on the data metrics corresponding to allocated data for the given transmission format. A transmission format is selected that has an optimum transmission metric. The allocated data for the selected transmission format is transmitted on the forward link in accordance with the selected transmission format.

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