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(54) **METHODS AND SYSTEMS FOR SCHEDULING OFDM FRAMES**

**Related U.S. Application Data**

(75) **Inventor: Biswaroop Mukherjee, Ottawa (CA)**

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Correspondence Address:  
**SMART & BIGGAR**  
**P.O. BOX 2999, STATION D**  
**900-55 METCALFE STREET**  
**OTTAWA, ON K1P5Y6**

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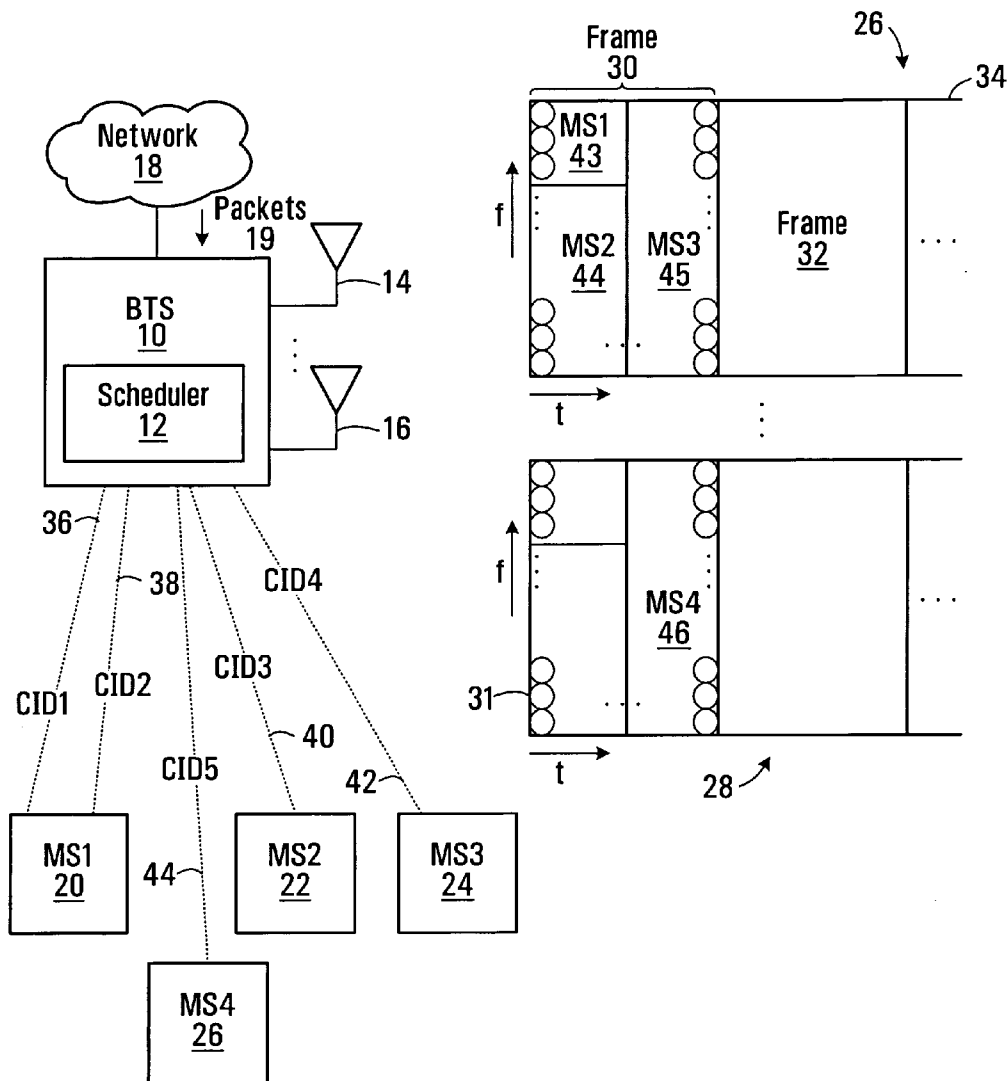
(57) **ABSTRACT**

(73) **Assignee: NORTEL NETWORKS LIMITED**

System and methods for scheduling OFDM frames are provided. Each packet is assigned to a frame bucket, this amounting to a temporary decision of when to transmit the packet. Each packet is marked with one or more metrics. The metrics are used to sort packets and make scheduling decisions. Packets are analyzed to determine their suitability for MIMO transmission.

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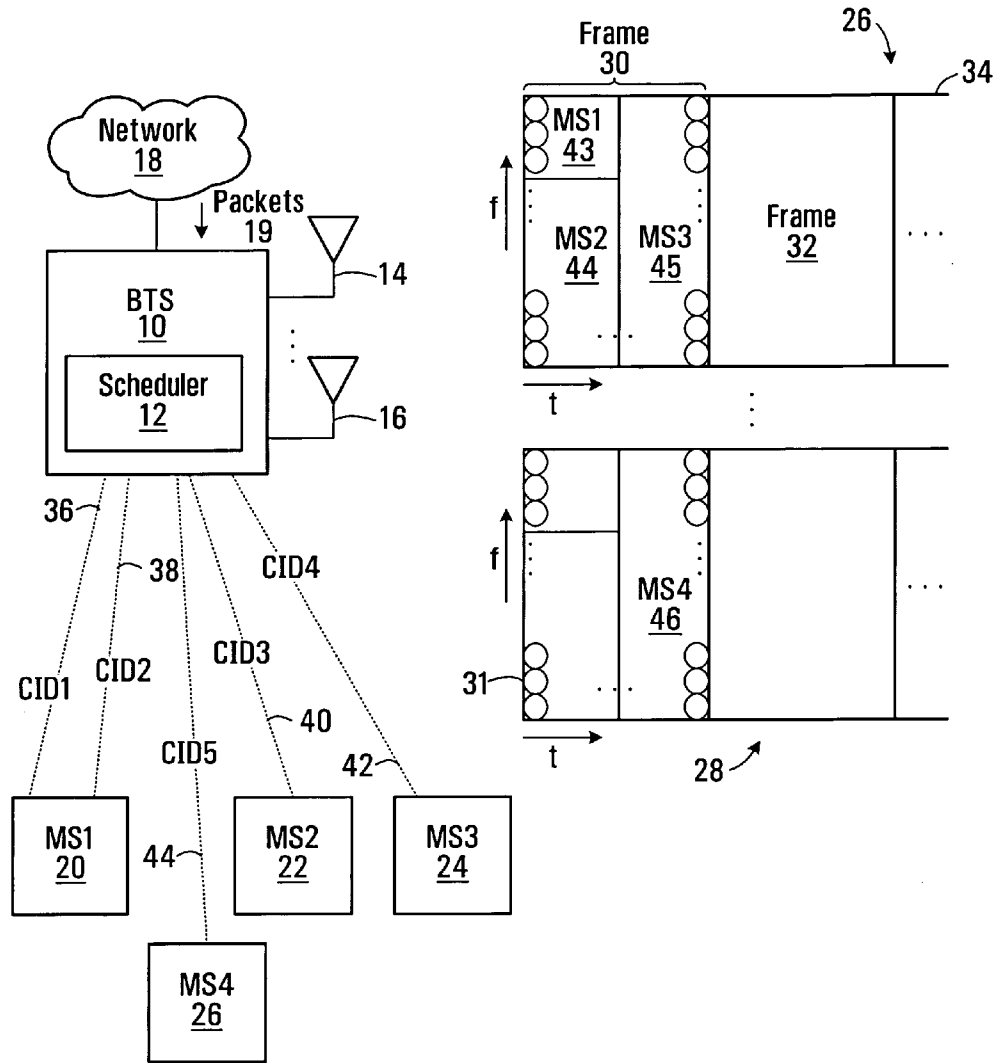


FIG. 1

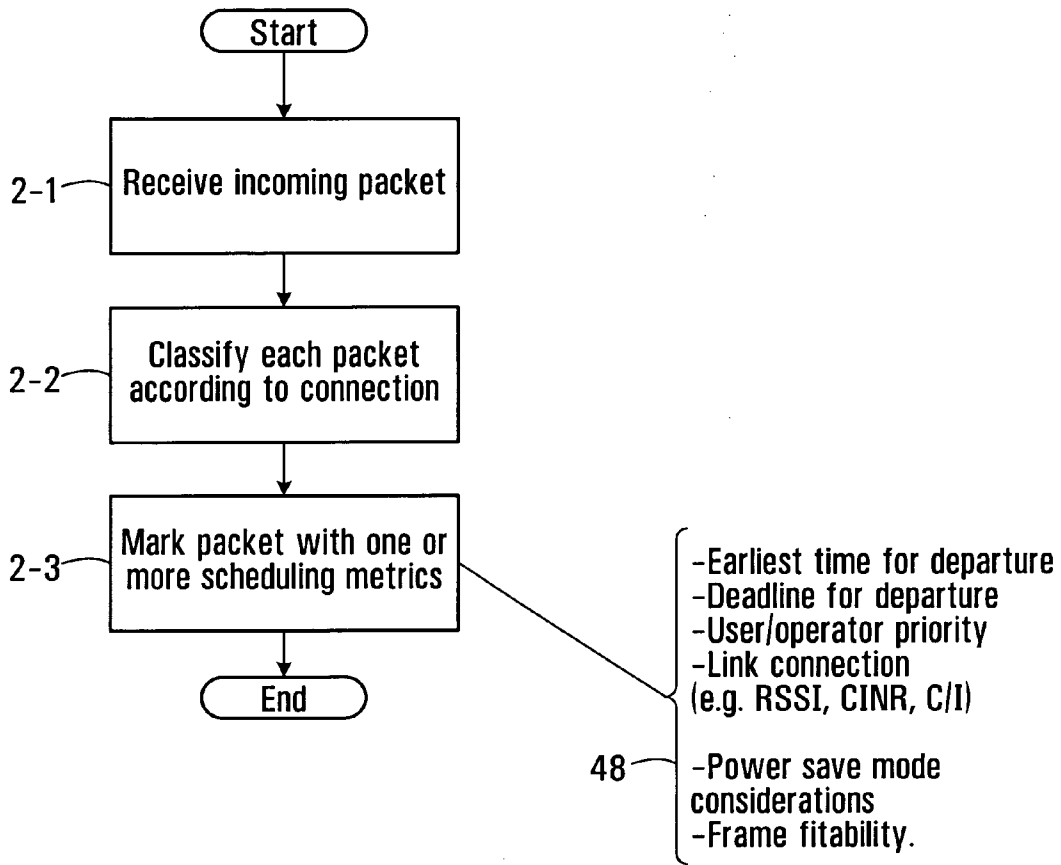


FIG. 2

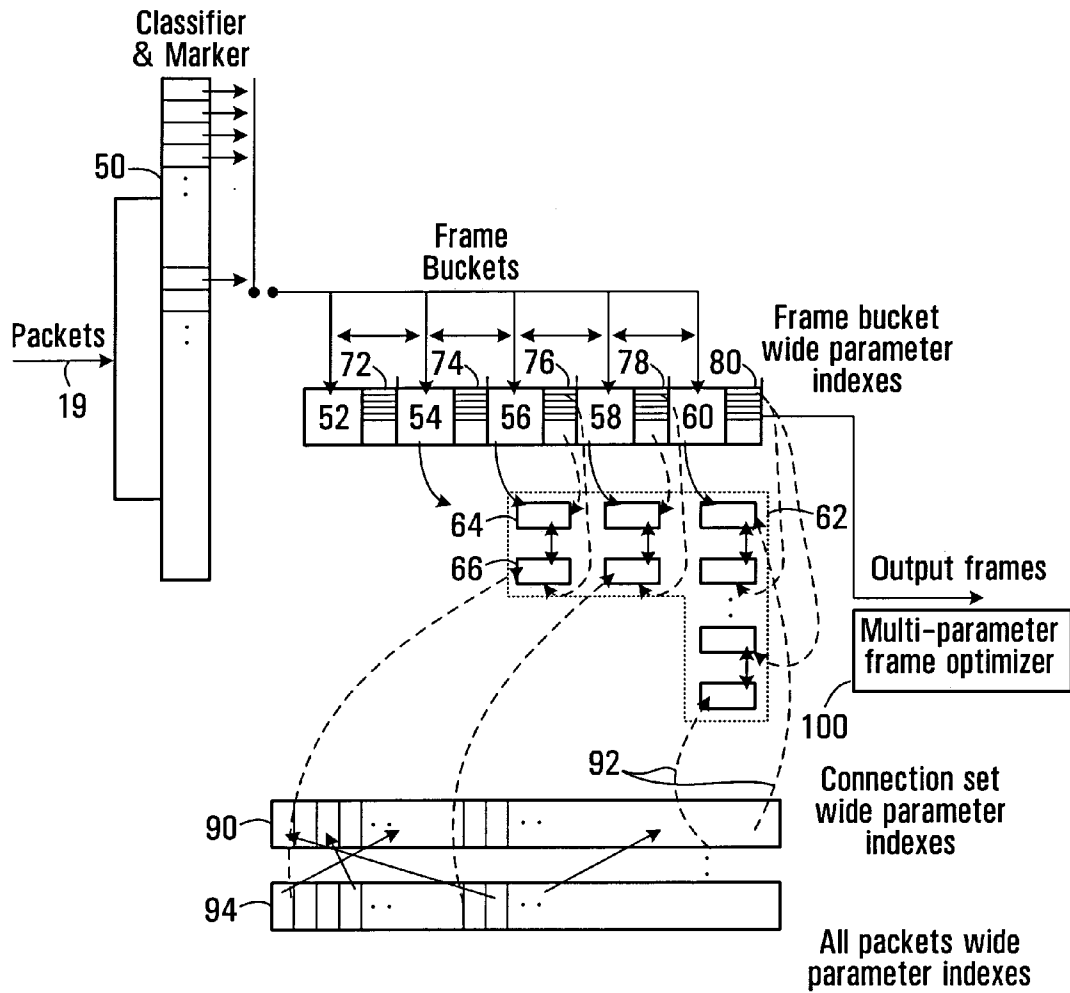
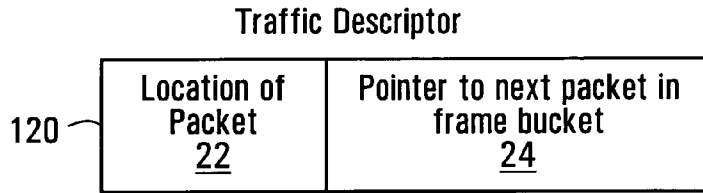
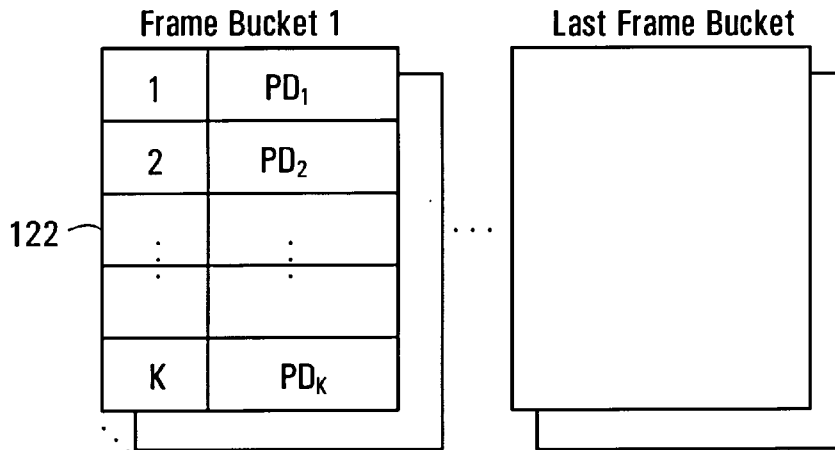


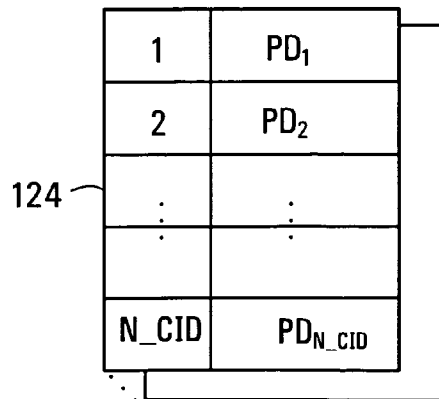
FIG. 3



**FIG. 4A**



**FIG. 4B**



**FIG. 4C**

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