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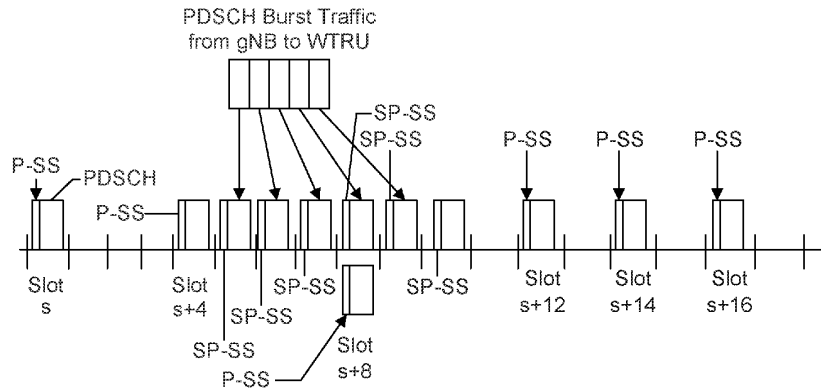


FIG. 5

(57) Abstract: Methods and apparatus for burst transmission are provided. A wireless transmit/receive unit (WTRU) is configured to receive configuration information for a periodic search space (P-SS) and a semi-persistent search space (SP-SS). The configuration information may include a monitoring periodicity of the P-SS and a monitoring periodicity of the SP-SS. The P-SS may be associated with the SP-SS. The WTRU is configured to monitor the P-SS with the periodicity of the P-SS. The WTRU is configured to receive a first message in a first physical downlink control channel (PDCCH) in a slot of the P-SS. The first message may indicate an activation of the associated SP-SS. The WTRU is configured to monitor the SP-SS using the periodicity of the SP-SS. The WTRU is configured to receive a second message in a second PDCCH in a slot of the SP-SS.

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