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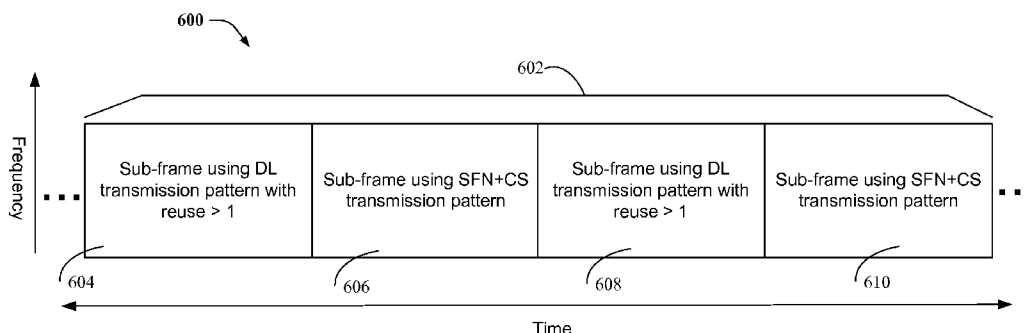
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(57) Abstract: The application discloses a method for a wireless communication system determining a location in time of a sub-frame when SFN transmission for data will occur. Determining a first transmission pattern and a second transmission pattern for reference signals, wherein the transmission patterns indicate the symbols and tones of a sub-frame to use for reference signals. Selecting for use, between the first transmission pattern and second transmission pattern for reference signals depending on whether SFN data will be transmitted in the sub-frame. Broadcasting information about the selected transmission pattern prior to use thereof.

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