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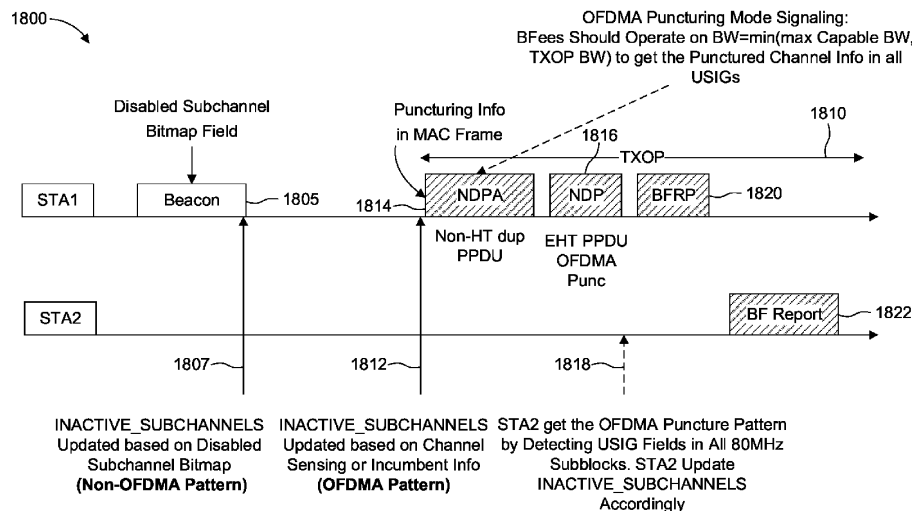


FIG. 18

(57) Abstract: Dynamic puncturing in a wireless local area network (WLAN) supporting 320MHz bandwidths is disclosed. In one example, a method includes a first station (STA1) transmitting a null data packet announcement (NDPA) frame including an indicator of an orthogonal frequency division multiple access (OFDMA) subchannel puncturing over a wireless medium and subsequently transmitting a null data packet (NDP) having a U-SIG field specifying an OFDMA puncturing pattern. The NDPA may indicate that the subsequent NDP, which preferably occupies an 80 MHz channel, includes the OFDMA puncturing pattern in its U-SIG field. The method may further include transmitting a beamforming report poll (BFRP) soliciting measurement by the receiving station (STA2) on active resources, e.g., subchannels which have not been punctured. STA2 may transmit a beamforming report (BFR) in response to the BFRP, the BFR including measurements of active resources excluding subchannels inactive due to static OFDMA puncturing

[Continued on next page]

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or dynamic OFDMA puncturing.