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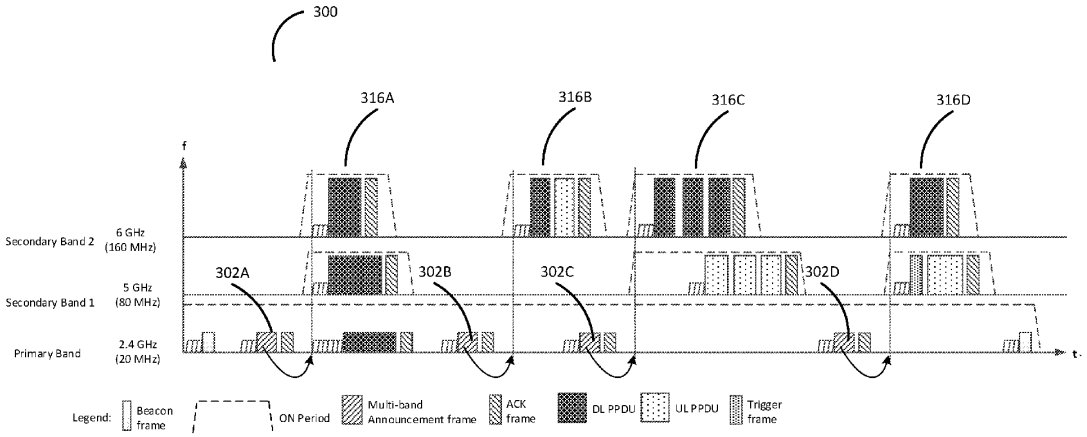

Figure 3

(57) Abstract: A multi-band communication device includes: one or more transceiver circuitries, each of which in operation transmits and receives data on a plurality of channels in different frequency bands; and a band configuration circuitry operative to change a configuration of any one of the transceiver circuitries based on configuration information received from a multi-band Access Point (AP). The configuration information specifies one of the frequency bands as a Primary band and the other frequency bands as Secondary band(s). The transceiver circuitry operating on the Primary band is used as a default circuitry for communication with the AP.

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