## ABSTRACT

### SELECTIVE ADJUSTMENT OF PACKET DURATIONS

This disclosure provides systems, methods and apparatus, including computer programs encoded on computer storage media, for adjusting a packet duration for triggered uplink (UL) transmissions to an access point (AP) from one or more stations (STAs). In one aspect, the AP may estimate an amount of data that a STA has queued for UL transmission and select the packet duration based on the estimated amount of queued UL data. The AP may transmit a trigger frame that solicits UL data from the STA and indicates the selected packet duration. In response, the AP may receive an UL packet from the STA and determine an amount of UL data queued in the STA based on the UL packet. In some implementations, the AP may selectively adjust the packet duration for UL transmissions based on the UL packet, the determined amount of UL data queued in the STA, or both.

Fig. 6