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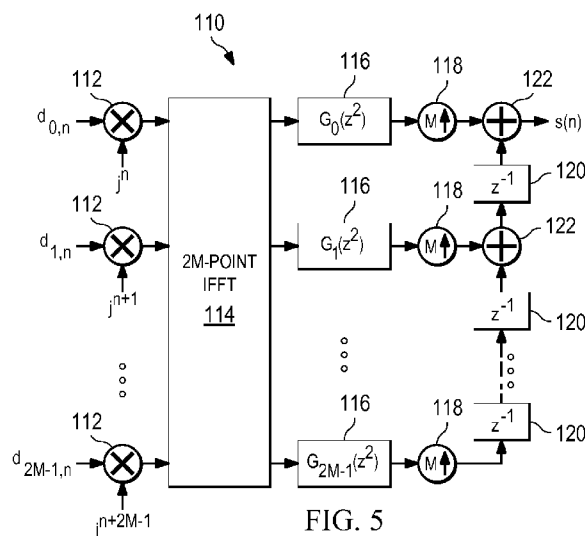
(54) Title: SYSTEM AND METHOD FOR ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING-OFFSET QUADRAT-  
URE AMPLITUDE MODULATION

FIG. 5

(57) Abstract: A method for performing orthogonal frequency division multiplexing (OFDM)/offset quantization amplitude modulation (OQAM) includes obtaining a data burst. The method includes performing weighted circularly convolved filtering modulation on the data burst to produce an output signal. The method further includes a first wireless device transmitting the output signal to a second wireless device. The second wireless device receives an input signal from the first wireless device, and the second wireless devices performs weighted circularly convolved demodulation filtering on the input signal to produce the data burst.