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(54) Title: BEAMFORMING OF HARMONICS

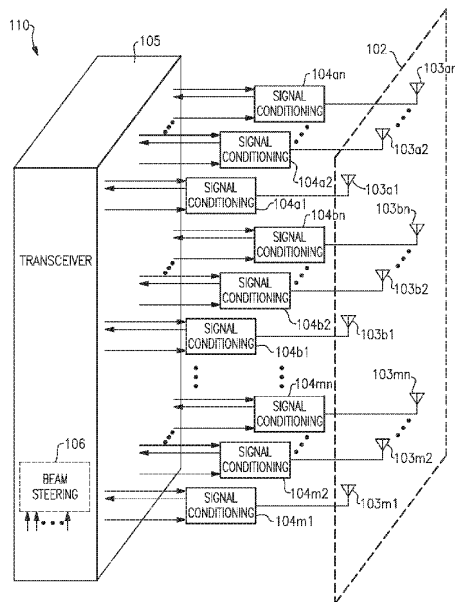


FIG. 2

(57) Abstract: Apparatus and methods related to beamforming of harmonics are provided herein. In certain implementations, a communication device for operating in a wireless network is provided. The communication device includes an antenna array including a plurality of antenna elements that generate a plurality of receive signals in response to a radio wave, a plurality of signal conditioning circuits operatively associated with the plurality of antenna elements and that condition the plurality of receive signals to provide beamforming of a receive beam, and a beam control circuit that controls the plurality of signal conditioning circuits to provide beam steering of the receive beam based on a direction of one or more harmonic lobes of the receive beam.

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