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(54) Title: METHOD AND APPARATUS FOR FORMING A REMOTE BEAM

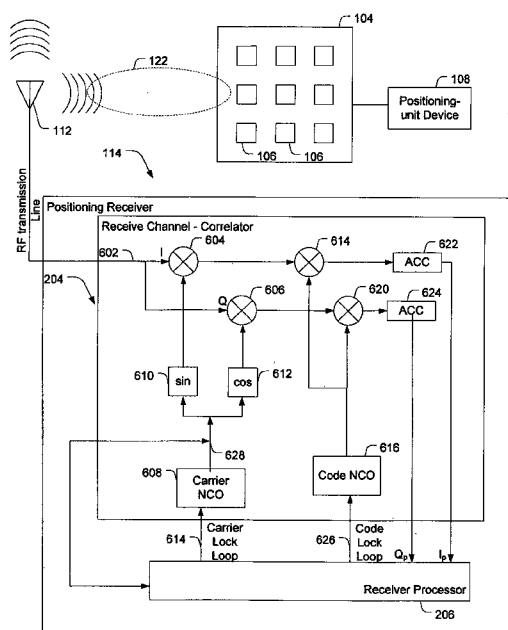


Figure 6

(57) Abstract: A device for remotely forming a beam at antenna arrays is disclosed, the device including: an antenna array having a plurality of spatially distributed elements; a positioning-unit device coupled with said antenna array, said positioning-unit device configured to switch said antenna elements between first and second states in a predetermined sequence wherein, in said first state, said elements are configured to transmit a positioning signal; and a receiver configured to receive said positioning signal from said antenna array, said receiver having a processor for generating a reference signal, mixing said positioning signal with a modified reference signal to generate a mixed signal and summing the mixed signal over a predetermined integration period to generate an accumulated signal, wherein said reference signal is modified prior to being mixed with said received signal such that said accumulated signal is indicative of the direction and magnitude of the beam of the antenna array.



— *with amended claims (Art. 19(1))*