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[Continued on next page]

(54) **Title:** HEADSET WITH END-FIRING MICROPHONE ARRAY AND AUTOMATIC CALIBRATION OF END-FIRING ARRAY

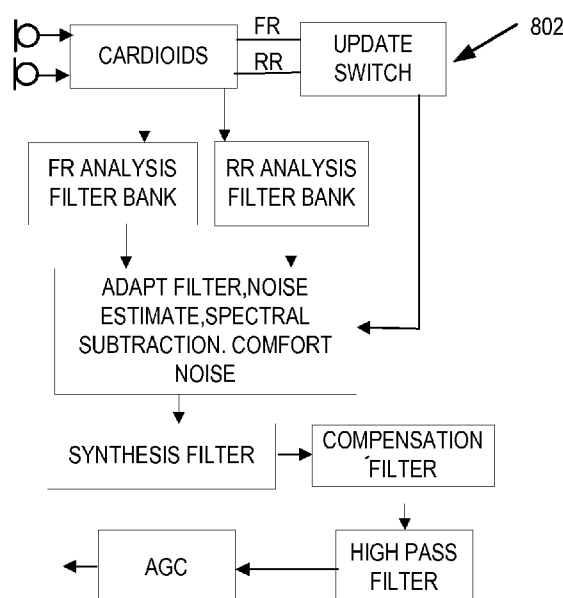


Figure 8

(57) **Abstract:** In one invention embodiment two microphones are attached to the ear cup and are configured as an end-firing array. The end-firing array suppresses unwanted sounds using an adaptive spectral method and spectral subtraction. According to a second embodiment, Automatic Calibration of an end-firing Microphone Array is provided.



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