

ABSTRACT OF THE DISCLOSURE**A METHOD FOR DETECTING AND REMOVING HOWLING**

This invention relates to a method of detecting and removing howling from an audio system. It relates particularly but not exclusively to a method which involves converting an analogue signal originating from a microphone into a digital signal and undertaking the following processing within a digital signal processor before conversion back into an analogue signal - (i) analysing the digital input signal to detect the presence of howling and where howling is detected (ii) processing the digital input signal to form a synthesized signal (iii) passing the synthesized signal into an adaptive howling canceller (iv) measuring the digital output signal from the adaptive howling canceller and accordingly modifying processing within the adaptive howling canceller.

(Fig. 5)