

SYSTEM AND METHOD FOR REDUCING UPLINK NOISE**ABSTRACT**

A system and method for reducing uplink noise in a mobile communications device, the system including: a noise estimator for estimating noise in proximity to the mobile communication device; an adjustable filter for receiving a signal from a microphone of the mobile communication device; an adjustable attenuation block for receiving a filtered signal from the adjustable filter; a controller configured to: monitor the estimated noise; and adjust the adjustable filter and adjustable attenuation block based on the estimated noise. In particular, the controller may be configured to adjust the adjustable filter by increasing the depth of the filtering for higher estimated noise levels and adjust the attenuation by increasing the attenuation for higher estimated noise levels.

Figure 4