

SYSTEM AND METHOD FOR ADJUSTING AN AUDIO SIGNAL**ABSTRACT**

Disclosed is a system and method of adjusting an audio signal for a communication device. The method comprises: identifying a characteristic associated with the signal and identifying its quality threshold; identifying a first set of adjustment parameters for the
5 signal when the threshold is exceeded; and identifying a second set of adjustment parameters when it is not exceeded. Also, the device: monitors for a current setting value for the characteristic; and detects whether the current setting value is above or below the quality threshold. If the value is above, then the device produces a first output signal value utilizing a DSP, a processing filter defined in the DSP, values of the first set of
10 adjustment parameters and the signal value. If the value is below, the device produces a second output signal value utilizing the DSP, the filter, values of the second set of adjustment parameters and the signal value.

(Fig. 2)