

NOISE SIGNAL DETERMINING METHOD AND APPARATUS AND VOICE DENOISING METHOD AND APPARATUS

ABSTRACT

5 Embodiments of the present application disclose a noise signal determining method and
apparatus and a voice denoising method and apparatus. The noise signal determining method
comprises: performing Fourier transform on each frame signal in a to-be-analyzed voice signal
segment to acquire a power spectrum of each frame signal in the voice signal segment;
determining a variance of power values of each frame signal in the voice signal segment at
10 various frequencies based on the power spectrum of the frame signal; and determining whether
each frame signal in the voice signal segment is a noise signal based on the variance. The
embodiments of the present application can accurately obtain several noise frames comprised in
the to-be-analyzed voice signal segment, thus improving the voice denoising effect.

15

FIG. 1