

ABSTRACT**METHOD AND APPARATUS FOR ANTI-SPARSENESS FILTERING OF A
BANDWIDTH EXTENDED SPEECH PREDICTION EXCITATION SIGNAL**

A method and apparatus for generating a highband excitation signal (S120) including generating a spectrally extended signal by extending the spectrum of a signal (A400) that is based on an encoded lowband excitation signal (S50); and performing anti-sparseness filtering (600) of a signal that is based on the encoded lowband excitation signal. The highband excitation signal is based on the spectrally extended signal, and the highband excitation signal is based on a result of the anti-sparseness filtering.

Figure 18