

ABSTRACT

SPEECH DECODER, SPEECH ENCODER, SPEECH DECODING METHOD, SPEECH ENCODING METHOD, SPEECH DECODING PROGRAM, AND SPEECH ENCODING PROGRAM

A speech decoder (1) includes a demultiplexing unit (1a), a low frequency band decoding unit (1b), a band splitting filter bank unit (1c), a coded sequence analysis unit (1d), a coded sequence decoding /
5 dequantization unit (1e), a high frequency band generation unit (1h), low frequency band time envelope calculation units ($1f_1$ to $1f_n$) that acquire a plurality of low frequency band time envelopes, a time envelope calculation unit (1g) that calculates high frequency band time envelopes using time envelope information and the plurality of low
10 frequency band time envelopes, a time envelope adjustment unit (1i) that adjusts the time envelope of high frequency band components using the time envelopes obtained by the time envelope calculation unit (1g), and a band synthesis filter bank unit (1j).

Figure 1.