decoding, performed by using at least one processing device, the signal in the time domain, if it is determined that the signal is encoded in the time domain;

generating a high band signal by using the signal decoded in either the frequency domain or the time domain and additional information; and

upmixing a mono signal including the signal decoded in either the frequency domain or the time domain and a generated high band signal to a stereo signal by using parameters for upmixing the mono signal to the stereo signal, in a structure of performing decoding of the signal through switching between the frequency domain and the time domain.

9. The method of claim **8**, wherein:

the generating the high band comprises transforming the mono signal including the signal decoded in either the frequency domain or the time domain to a representation in a time-frequency domain, and

the upmixing the mono signal comprises upmixing the mono signal, represented in the time-frequency domain, and the generated high frequency band signal to the stereo signal.

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