

Title (en)  
AUDIO SIGNAL PROCESSING METHOD AND DEVICE

Title (de)  
AUDIOSIGNALVERARBEITUNGSVERFAHREN UND -VORRICHTUNG

Title (fr)  
PROCÉDÉ ET DISPOSITIF DE TRAITEMENT DE SIGNAL AUDIO

Publication  
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Application  
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Abstract (en)

The present invention relates to a method and an apparatus for processing an audio signal, and more particularly, to a method and an apparatus for processing an audio signal, which synthesizes an object signal and a channel signal and effectively binaural-render the synthesized signal. To this end, the present invention provides a method for processing an audio signal, including: receiving an input audio signal including at least one of a multichannel signal and a multi-object signal; receiving type information of a filter set for binaural filtering of the input audio signal, the type of the filter set being one of a finite impulse response (FIR) filter, a parameterized filter in a frequency domain, and a parameterized filter in a time domain; receiving filter information for binaural filtering based on the type information; and performing the binaural filtering for the input audio signal by using the received filter information, wherein when the type information indicates the parameterized filter in the frequency domain, in the receiving of the filter information, a subband filter coefficient having a length determined for each subband of a frequency domain is received, and in the performing of the binaural filtering, each subband signal of the input audio signal is filtered by using the subband filter coefficient corresponding thereto and an apparatus for processing an audio signal by using the same.

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[A] JEONGIL SEO ET AL: "Technical Description of ETRI/Yonsei/WILUS Binaural CE Proposal in MPEG-H 3D Audio", 107. MPEG MEETING; 13-1-2014 - 17-1-2014; SAN JOSE; (MOTION PICTURE EXPERT GROUP OR ISO/IEC JTC1/SC29/WG11),, no. m32223, 8 January 2014 (2014-01-08), XP030060675

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