Title (en)

AUDIO SIGNAL PROCESSING METHOD AND DEVICE

Title (de)

AUDIOSIGNALVERARBEITUNGSVERFAHREN UND -VORRICHTUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF DE TRAITEMENT DE SIGNAL AUDIO

Publication

EP 4329331 A2 20240228 (EN)

Application

EP 24151352 A 20150402

Priority

- US 201461973868 P 20140402
- KR 20140081226 A 20140630
- US 201462019958 P 20140702
- EP 18178536 A 20150402
- EP 15774085 A 20150402
- KR 2015003328 W 20150402

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.

IPC 8 full level

H04R 3/04 (2006.01)

CPC (source: CN EP KR)

G10L 19/008 (2013.01 - EP); **H04R 3/04** (2013.01 - EP KR); **H04S 3/008** (2013.01 - CN EP KR); **H04S 7/306** (2013.01 - EP); **H04S 7/307** (2013.01 - EP); G10L 19/0204 (2013.01 - EP); G10L 19/167 (2013.01 - EP); H04R 2420/01 (2013.01 - KR); H04R 2430/03 (2013.01 - EP KR); H04R 2499/11 (2013.01 - EP KR); H04R 2499/15 (2013.01 - EP KR); H04S 2400/03 (2013.01 - EP); H04S 2400/11 (2013.01 - EP); H04S 2420/01 (2013.01 - EP); H04S 2420/07 (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 4329331 A2 20240228; **EP 4329331 A3 20240508**; KR 102363475 B1 20220216; KR 102428066 B1 20220802; KR 20210018559 A 20210217; KR 20220025127 A 20220303; KR 20220113833 A 20220816

DOCDB simple family (application)

EP 24151352 A 20150402; KR 20217004133 A 20150402; KR 20227004033 A 20150402; KR 20227026312 A 20150402