Title (en)

BACKWARD-COMPATIBLE INTEGRATION OF HIGH FREQUENCY RECONSTRUCTION TECHNIQUES FOR AUDIO SIGNALS

Title (de)

RÜCKWÄRTSKOMPATIBLE INTEGRATION VON HOCHFREQUENZREKONSTRUKTIONSVERFAHREN FÜR AUDIOSIGNALE

Title (fr)

INTÉGRATION RÉTROCOMPATIBLE DE TECHNIQUES DE RECONSTRUCTION HAUTE FRÉQUENCE POUR SIGNAUX AUDIO

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Abstract (en)

A method for decoding an encoded audio bitstream is disclosed. The method includes receiving the encoded audio bitstream and decoding the audio data to generate a decoded lowband audio signal. The method further includes extracting high frequency reconstruction metadata and filtering the decoded lowband audio signal with an analysis filterbank to generate a filtered lowband audio signal. The method also includes extracting a flag indicating whether either spectral translation or harmonic transposition is to be performed on the audio data and regenerating a highband portion of the audio signal using the filtered lowband audio signal and the high frequency reconstruction metadata in accordance with the flag.

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