Title (en)

SYSTEM AND METHOD FOR REDUCING LATENCY IN TRANSPOSER-BASED VIRTUAL BASS SYSTEMS

Title (de)

SYSTEM UND VERFAHREN ZUR REDUZIERUNG DER LATENZZEIT IN TRANSPOSERBASIERTEN VIRTUELLEN BASSSYSTEMEN

Title (fr)

SYSTÈME ET PROCÉDÉ DE RÉDUCTION DE LATENCE DANS DES SYSTÈMES DE BASSE VIRTUELLE BASÉS SUR RÉÉMETTEUR

Publication

**EP 2907324 B1 20161109 (EN)**

Application

**EP 13771123 A 20130927**

Priority

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Abstract (en)

[origin: EP2720477A1] In some embodiments, a virtual bass generation method including steps of: performing harmonic transposition on low frequency components of an input audio signal (typically, bass frequency components expected to be inaudible during playback of the input audio signal using an expected speaker or speaker set) to generate transposed data indicative of harmonics (which are expected to be audible during playback, using the expected speaker(s), of an enhanced version of the input audio which includes the harmonics); generating an enhancement signal in response to the transposed data; and generating an enhanced audio signal by combining (e.g., mixing) the enhancement signal with the input audio signal. Other aspects are systems (e.g., programmed processors) and devices (e.g., devices having physically-limited bass reproduction capabilities, such as, for example, a notebook, tablet, mobile phone, or other device with small speakers) configured to perform any embodiment of the method.

IPC 8 full level

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CPC (source: EP)

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