

Title (en)
METHOD AND ARRANGEMENTS FOR AUDIO SIGNAL ENCODING

Title (de)
VERFAHREN UND ANORDNUNGEN ZUR AUDIOSIGNALKODIERUNG

Title (fr)
PROCEDE ET DISPOSITIFS POUR LE CODAGE DE SIGNAUX AUDIO

Publication
EP 1979901 B1 20151014 (DE)

Application
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Priority
EP 2006000812 W 20060131

Abstract (en)
[origin: WO2007087824A1] To form an audio signal (SAS), frequency components (NAS) of the audio signal which are allotted to a first subband are formed by means of a subband decoder (LBD) using supplied fundamental period values (?LTP) which respectively indicate a fundamental period for the audio signal. Frequency components (HAS) of the audio signal which are allotted to a second subband are formed by exciting an audio synthesis filter (ASYN) using an excitation signal (u(k)) which is specific to the second subband. To produce this excitation signal (u(k)), an excitation signal generator (HBG) derives a fundamental period parameter (?p) from the fundamental period values (?LTP). The fundamental period parameter (?p) is used by the excitation signal generator (HBG) to form pulses with a pulse shape which is dependent on the fundamental period parameter (?p) at an interval of time which is determined by the fundamental period parameter (?p) and to mix them with a noise signal.

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