Title (en)
METHOD AND ARRANGEMENTS FOR ENCODING AUDIO SIGNALS

Title (de)
VERFAHREN UND ANORDNUNGEN ZUR AUDIOSIGNALKODIERUNG

Title (fr)
PROCÉDÉ ET DISPOSITIFS POUR CODER UN SIGNAL AUDIO

Publication
EP 1979899 A1 20081015 (DE)

Application
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Priority
EP 2006000811 W 20060131

Abstract (en)
[origin: WO2007087823A1] According to the invention, an excitation signal (EXC) is generated as a result of sampled excitation values in order to excite an audio synthesis filter (ASYN), the generated sampled excitation values being continuously stored in an adaptive codebook (ACB). A noise generator (NOISE) is provided which continuously generates random sampled values. A sequence (EXC_P) of the stored sampled excitation values is selected from the adaptive codebook (ACB) based on a fed audio fundamental frequency parameter (PITCH) by means of which a time gap between the sequence (EXC_P) that is to be selected and the actual time reference is predefined. The excitation signal (EXC) is generated by mixing the selected sequence (EXC_P) with a random sequence (EXC_N) encompassing actual random sampled valued of the noise generator.

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