Title (en)

IMPROVED ENCODING OF AN IMPROVEMENT STAGE IN A HIERARCHICAL ENCODER

Title (de)

VERBESSERTE KODIERUNG EINER VERBESSERUNGSSTUFE BEI EINEM HIERARCHISCHEN KODIERER

Title (fr)

CODAGE PERFECTIONNE D'UN ETAGE D'AMELIORATION DANS UN CODEUR HIERARCHIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2012080649A1] The invention relates to a method for encoding a digital audio input signal (x(n)) in a hierarchical encoder including a core encoding stage, having B bits, and at least one current encoding improvement stage k, outputting quantification indices that are concatenated so as to form the indices of the preceding interlaced encoder (IB+k-1). The method is such that it comprises the steps of obtaining (303) possible quantification values (di B+k (n)) for the current improvement stage k by determining absolute levels for reconstructing the single current stage k on the basis of the indices from the preceding interlaced encoder (IB+k-1), and quantifying (306) the hierarchical encoder input signal that was or was not subjected to perceptual weighting processing (x(n) or x'(n)) from said possible quantification values (di B+k (n)) for forming a scalar quantification index for the stage k (Ienh B+k(n)) and a quantified signal (x B+k (n)) corresponding to one of the possible quantification values. The invention also relates to a hierarchical encoder implementing the above-described encoding method.

IPC 8 full level

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CPC (source: EP KR US)

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