

Title (en)

A SYSTEM AND METHOD FOR PROVIDING SPLIT VECTOR QUANTIZATION DATA CODING

Title (de)

SYSTEM UND VERFAHREN ZUM BEREITSTELLEN VON VEKTOR-SEGMENTEN QUANTIFIKATIONS-DATENKODIERUNG

Title (fr)

SYSTEME ET PROCEDE DE CODAGE DE DONNEES PAR QUANTIFICATION DE VECTEURS SEGMENTES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9941736A2] A method and system for providing split vector quantization for use in determining constrained ordered set values, such as line spectrum pair parameters to determine spectral parameters in a data compression system, utilizes multiple codebooks (22a-22c) containing delta coded constrained ordered set values that are normalized to an upper and lower bound. An LSP reconstructor (34) reconstructs received spectral parameters to decode data, such as speech, based on the normalized delta quantization data of line spectrum pair parameters obtained from the split vector reconstruction codebooks (22a-22c). The LSP reconstructor (34) dynamically generates line spectrum pair parameters based on the normalized delta quantization data. In another embodiment, instead of storing the absolute value of the line spectrum pair parameters in segmented codebooks, the combination of at least two absolute value vectors and at least one normalized delta quantization vector is used for spectral quantization.

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IPC 8 full level

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