

Title (en)

SYSTEM FOR VECTOR QUANTIZATION SEARCH FOR NOISE FEEDBACK BASED CODING OF SPEECH

Title (de)

SYSTEM ZUR VEKTORQUANTISIERUNGSSUCHE FÜR DIE NOISE-FEEDBACK BASIERTE KODIERUNG VON SPRACHE

Title (fr)

PROCEDES ET SYSTEMES DE CODAGE A BOUCLE DE RETROACTION DE BRUIT POUR METTRE EN OEUVRE UNE RECHERCHE GENERALE ET EFFICACE DE VECTEURS DE CODE DE QUANTIFICATION VECTORIELLE DESTINES A CODER UN SIGNAL VOCAL

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Abstract (en)

[origin: WO0235523A2] Systems for performing general and computationally efficient methods of searching through N Vector Quantization (VQ) codevectors for a preferred one of the N VQ codevectors. The efficient method predicts a speech signal to derive a residual signal, derives a ZERO-INPUT response error vector common to each of the N VQ codevectors, derives N ZERO-STATE response error vectors each based on a corresponding one of the N VQ codevectors, and selects the preferred one of the N VQ codevectors based on the N ZERO-STATE response error vectors and the ZERO-INPUT response error vector.

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