

Title (en)
METHOD FOR FORMING THE EXCITATION SIGNAL FOR A GLOTTAL PULSE MODEL BASED PARAMETRIC SPEECH SYNTHESIS SYSTEM

Title (de)
VERFAHREN ZUR ERZEUGUNG DES ANREGUNGSSIGNALS FÜR EIN GLOTTALES IMPULSMODELLBASIERTES PARAMETRISCHES SPRACHSYNTHESESYSTEM

Title (fr)
PROCÉDÉ PERMETTANT DE FORMER LE SIGNAL D'EXCITATION POUR UN SYSTÈME DE SYNTHÈSE VOCALE PARAMÉTRIQUE BASÉ SUR UN MODÈLE D'IMPULSION GLOTTALE

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Abstract (en)
[origin: WO2017061985A1] A system and method are presented for forming the excitation signal for a glottal pulse model based parametric speech synthesis system. The excitation signal may be formed by using a plurality of sub-band templates instead of a single one. The plurality of sub-band templates may be combined to form the excitation signal wherein the proportion in which the templates are added is dynamically based on determined energy coefficients. These coefficients vary from frame to frame and are learned, along with the spectral parameters, during feature training. The coefficients are appended to the feature vector, which comprises spectral parameters and is modeled using HMMs, and the excitation signal is determined.

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