

Title (en)

METHOD FOR DETERMINING INTENSITY PARAMETERS OF BACKGROUND NOISE IN SPEECH PAUSES OF VOICE SIGNALS

Title (de)

VERFAHREN ZUR BESTIMMUNG VON INTENSITÄTSKENNWERTEN VON HINTERGRUNDGERÄUSCHEN IN SPRACHPAUSEN VON SPRACHSIGNALEN

Title (fr)

PROCEDE DE DETERMINATION DE VALEURS CARACTERISTIQUES D'INTENSITE DE BRUITS DE FOND DANS DES PAUSES DE VOIX DE SIGNAUX VOCAUX

Publication

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Application

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Priority

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Abstract (en)

[origin: WO02084644A1] Known methods for determining intensity parameters are based on the evaluation of short signal segments and their direct allocation to speech pauses or speech activity. In order to distinguish speech from speech pauses, intensity thresholds are often used. When the undisturbed source signal is used to mark speech pauses, a variably occurring time lag between source voice signal and disturbed voice signal often impedes exact transfer of the marking. Intensity parameters of background noises in speech pauses can be determined from the frequency distribution of the intensity values for short signal segments using the method disclosed in the invention. In order to assign intensity values, the fraction of speech pauses in the entire signal is calculated from the undisturbed source signal and defined as frequency threshold. Intensity values below the frequency threshold are assigned to the speech pauses. The arithmetic mean value of said intensity value is determined as intensity parameter for the background noise in the speech pauses. Percentile parameters for background noises in speech pauses can also be calculated with the inventive method.

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G10L 19/00; **G10L 11/02**

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CPC (source: EP US)

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Citation (search report)

See references of WO 02084644A1

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