Title (en)

EVALUATION OF THE VOICE QUALITY OF A CODED SPEECH SIGNAL

Title (de)

BEWERTUNG DER SPRACHQUALITÄT EINES KODIERTEN SPRACHSIGNALS

Title (fr)

EVALUATION DE LA QUALITE VOCALE D'UN SIGNAL DE PAROLE CODE

Publication

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Application

EP 12718296 A 20120404

Priority

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- FR 2012050724 W 20120404

Abstract (en)

[origin: WO2012140347A1] The present invention relates to a method of determining an indicator evaluating the voice quality of a coded speech signal. The method is noteworthy in that it comprises the following steps; calculation (E202) per signal frame, of a predetermined number of coefficients of a linear prediction filter for the coded speech signal; determination (E203) per frame, of a speech signal reconstructed on the basis of the filter coefficients thus calculated; obtaining (E204) per sample, of the residual between the coded speech signal and the reconstructed speech signal; calculation (E206) of an evaluation indicator on the basis of the mean or the absolute value of the residuals obtained for all the samples. The invention also relates to a device for determining an indicator implementing the above method. It relates also to a method of evaluating the quality or of identifying the class of coding of the coded signal using the indicator determined, as well as to a measurement terminal implementing these methods.

IPC 8 full level

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CPC (source: EP US)

G10L 19/00 (2013.01 - US); **G10L 25/69** (2013.01 - EP US); **H04M 3/2236** (2013.01 - EP US); G10L 25/12 (2013.01 - EP US)

Citation (search report)

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