

Title (en)
SPEECH CODING METHOD USING SYNTHESIS ANALYSIS

Title (de)
VERFAHREN ZUR SPRACHKODIERUNG MITTELS ANALYSE DURCH SYNTHESE

Title (fr)
PROCEDE DE CODAGE DE PAROLE A ANALYSE PAR SYNTHESE

Publication
EP 0801790 A1 19971022 (FR)

Application
EP 96901010 A 19960103

Priority
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Abstract (en)
[origin: WO9621220A1] A speech signal linear prediction analysis is performed for each frame of a speech signal to determine the coefficients of a short-term synthesis filter, and an open-loop analysis is performed to determine a degree of frame voicing. At least one closed-loop analysis is performed for each sub-frame to determine an excitation sequence which, when applied to the short-term synthesis filter, generates a synthetic signal representative of the speech signal. Each closed-loop analysis uses the impulse response of a filter consisting of the short-term synthesis filter and a perceptual weighting filter, by truncating said impulse response to a truncation length that is no greater than the number of samples per sub-frame, and dependent on the energy distribution of said response and the degree of voicing of the frame.

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IPC 8 full level
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G10L 2019/0003 (2013.01 - EP US); **G10L 2019/0011** (2013.01 - EP US); **G10L 2019/0012** (2013.01 - EP US)

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See references of WO 9621220A1

Cited by
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WO 9621220 A1 19960711; AT E180092 T1 19990515; AU 4490396 A 19960724; AU 697892 B2 19981022; BR 9606887 A 19971028;
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