Title (en)

METHOD AND APPARATUS FOR SMOOTHING PITCH-CYCLE WAVEFORMS

Publication

EP 0537948 A3 19930623 (EN)

Application

EP 92309167 A 19921008

Priority

US 77856091 A 19911018

Abstract (en)

[origin: EP0537948A2] A method and apparatus for processing a reconstructed speech signal from an analysis-by-synthesis decoder are provided to improve the quality of reconstructed speech. By operation of the invention, one or more traces in a reconstructed speech signal are identified. Traces are sequences of like-features in the reconstructed speech signal. The like-features are identified by time-distance data received from the long term predictor of the decoder. The identified traces are smoothed by one of the known smoothing techniques. A smoothed version of the reconstructed speech signal is formed by combining one or more of the smoothed traces. The original reconstructed speech signal may be that provided by a long term predictor of the decoder. Values of the reconstructed speech signal and smoothed speech signal may be combined based on a measure of periodicity in speech. <IMAGE>

IPC 1-7

G10L 9/14

IPC 8 full level

G10L 19/08 (2013.01)

CPC (source: EP)

G10L 19/08 (2013.01)

Citation (search report)

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- [A] ICASSP 90 vol. 2, 3 April 1990, ALBUQUERQUE pages 661 - 664 P.KROON ET AL. 'Pitch predictors with high temporal resolution'
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Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

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