

Title (en)

METHOD AND APPARATUS FOR GENERATING A SIGNAL TRANSFORMATION AND THE USE THEREOF IN SIGNAL PROCESSINGS

Publication

EP 0212323 A3 19880316 (EN)

Application

EP 86110212 A 19860724

Priority

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Abstract (en)

[origin: EP0212323A2] A method and apparatus for generating a signal transformation useful in signal processing is provided. According to the preferred embodiment, a signal, e.g., a speech waveform, is first converted into a sequence of digital data samples, and a reference position along a first sub-part of the sequence is then selected. A "weighted" histogram corresponding to the reference position is then generated according to a correlation function. Thereafter, a new reference position is selected, for example, at a sub-part of the sequence located a pitch period of the signal from the original reference position, and an additional histogram is generated for this sub-part. The plurality of histograms comprise the transformation of the signal, which retains a substantial part of the informational content of the original signal. Therefore, the transformation is then used as the signal itself in signal processing applications such as speech compression and synthesis.

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [A] FR 2337393 A1 19770729 - DIALOG SYST [US]
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