

Title (en)

Method and apparatus for generating a function to extract a global characteristic value of a signal contents

Title (de)

Verfahren und Vorrichtung zur Erzeugung einer Funktion um den globalen charakteristischen Wert eines Signalinhaltes zu erzeugen

Title (fr)

Méthode et dispositif pour générer une fonction pour extraire une valeur caractéristique globale du contenu d'un signal

Publication

EP 1437711 A1 20040714 (EN)

Application

EP 02293122 A 20021217

Priority

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Abstract (en)

The method involves generating compound functions composed of elementary functions, by using programmed units. Compound functions are operated on a reference signal with units that process elementary functions as executable operators. A correlation between compound functions values and a global characteristic value of a reference signal is determined to select an extraction function (4) with high correlation. The programmed units handle the elementary functions as symbolic objects and as executable operators. Independent claims are also included for the following: (a) a apparatus for generating a general function that can operate on an input signal (Sx) to extract a preset global characteristic value (DVex) expressing a feature of the information (De) conveyed by that signal (b) a software product containing executable code which, when loaded in a data processing apparatus, enables the latter to perform the method of generating a general extraction function.

IPC 1-7

G10H 1/00

IPC 8 full level

G10H 1/00 (2006.01)

CPC (source: EP)

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Citation (search report)

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- [A] LAMBROU T ET AL: "CLASSIFICATION OF AUDIO SIGNALS USING STATISTICAL FEATURES ON TIME AND WAVELET TRANSFORM DOMAINS", PROCEEDINGS OF THE 1998 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING. ICASSP '98. SEATTLE, WA, MAY 12 - 15, 1998, IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, NEW YORK, NY: IEEE, US, vol. 6 CONF. 23, 12 May 1998 (1998-05-12), pages 3621 - 3624, XP000951242, ISBN: 0-7803-4429-4

Designated contracting state (EPC)

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