

Title (en)

METHOD AND DEVICE FOR EXTRACTING A SIGNAL IDENTIFIER, METHOD AND DEVICE FOR CREATING A DATABASE FROM SIGNAL IDENTIFIERS AND METHOD AND DEVICE FOR REFERENCING A SEARCH TIME SIGNAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM EXTRAHIEREN EINER SIGNALKENNUNG, VERFAHREN UND VORRICHTUNG ZUM ERZEUGEN EINER DAZUGEHÖRIGEN DATABANK und Verfahren und Vorrichtung zum Referenzieren eines Such-Zeitsignals

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT D'EXTRAIRE UNE IDENTIFICATION DE SIGNAUX, PROCEDE ET DISPOSITIF PERMETTANT DE CREER UNE BANQUE DE DONNEES A PARTIR D'IDENTIFICATIONS DE SIGNAUX, ET PROCEDE ET DISPOSITIF PERMETTANT DE SE REFERENCER A UN SIGNAL TEMPS DE RECHERCHE

Publication

EP 1377924 A2 20040107 (DE)

Application

EP 02714186 A 20020312

Priority

- DE 10117871 A 20010410
- EP 0202703 W 20020312

Abstract (en)

[origin: US2004158437A1] In a method of extracting a signal identifier from a time signal, the temporal occurrence of signal edges in the time signal is detected (12), wherein a signal edge has a specified temporal length. In addition, the temporal interval between two selected detected signal edges is determined (14). From the temporal interval determined, a frequency value is calculated (16), the frequency value being associated with a time of occurrence of the frequency value in the time signal so as to obtain a coordinate tuple from the frequency value and the time of occurrence for this frequency value. A signal identifier is created from a plurality of coordinate tuples (18), each coordinate tuple including a frequency value and a time of occurrence, which is why the signal identifier includes a sequence of signal identifier values reproducing the temporal form of the time signal. The extracted signal identifier is based on signal edges of the time signal and thus reproduces the temporal form of the time signal. The signal identifier is therefore characteristic of the time signal, on the one hand, and robust towards changes in the time signal, on the other hand.

IPC 1-7

G06F 17/60

IPC 8 full level

G06F 17/30 (2006.01); **G10H 1/00** (2006.01); **G10L 15/00** (2013.01); **G10L 15/10** (2006.01); **G10L 17/26** (2013.01); **G10L 25/00** (2013.01); **G10L 25/03** (2013.01); **G10L 25/54** (2013.01); **G10L 25/81** (2013.01)

CPC (source: EP US)

G10H 1/0008 (2013.01 - EP US); **G10H 2240/135** (2013.01 - EP US); **G10H 2250/011** (2013.01 - EP US)

Citation (search report)

See references of WO 02084539A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

US 2004158437 A1 20040812; AT E277381 T1 20041015; AU 2002246109 A1 20021028; CA 2443202 A1 20021024; DE 10117871 C1 20020704; DE 50201116 D1 20041028; EP 1377924 A2 20040107; EP 1377924 B1 20040922; HK 1059492 A1 20040702; JP 2004531758 A 20041014; JP 3934556 B2 20070620; WO 02084539 A2 20021024; WO 02084539 A3 20031002

DOCDB simple family (application)

US 47380104 A 20040302; AT 02714186 T 20020312; AU 2002246109 A 20020312; CA 2443202 A 20020312; DE 10117871 A 20010410; DE 50201116 T 20020312; EP 0202703 W 20020312; EP 02714186 A 20020312; HK 04102412 A 20040402; JP 2002582410 A 20020312