Title (en)
PROCESS AND DEVICE FOR CHARACTERISING AN AUDIO SIGNAL

Title (de)
VORRICHTUNG UND VERFAHREN ZUM CHARAKTERISIEREN EINES TONSIGNALS

Title (fr)
PROCEDE ET DISPOSITIF POUR CARACTERISER UN SIGNAL AUDIO

Publication
EP 1671315 B1 20070502 (DE)

Application
EP 05735854 A 20050427

Priority
• EP 2005004517 W 20050427
• DE 102004022659 A 20040507

Abstract (en)
[origin: WO2005114650A1] In order to characterise an audio signal, a sequence of quantified application points in time for each of at least two audio sources is prepared on the basis of a quantification grid (1). A common period length at the basis of the at least two audio sources is determined using the sequences of application points (12). The sequence of application points is then subdivided into corresponding subsequences (14), the length of a subsequence being equal to the common period length. Finally, the subsequences for the first audio source are combined into a first combined subsequence and the subsequences for the second audio source are combined into a second combined subsequence (16), using a pattern histogram, for example, in order to characterise the audio signal, for example, its rhythm, speed or type, on the basis of the first combined subsequence and of the second combined subsequence.

IPC 8 full level
G10G 1/00 (2006.01); G10H 1/00 (2006.01); G10L 11/00 (2006.01); G10L 25/48 (2013.01)

CPC (source: EP)
G10L 25/48 (2013.01); G10H 2210/071 (2013.01)

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
DE 102004022659 B3 20051013; DE 502005000658 D1 20070614; EP 1671315 A1 20060621; EP 1671315 B1 20070502;
JP 2007536586 A 20071213; JP 4926044 B2 20120509; WO 2005114650 A1 20051201

DOCDB simple family (application)
DE 102004022659 A 20040507; DE 502005000658 T 20050427; EP 05735854 A 20050427; EP 2005004517 W 20050427;
JP 2007511960 A 20050427