

Title (en)

METHOD AND DEVICE FOR THE EXTRACTION OF A MELODY ON WHICH AN AUDIO SIGNAL IS BASED

Title (de)

VERFAHREN UND VORRICHTUNG ZUR EXTRAKTION EINER EINEM AUDIOSIGNAL ZU GRUNDE LIEGENDEN MELODIE

Title (fr)

PROCEDE ET DISPOSITIF POUR EXTRAIRE UNE MELODIE SERVANT DE BASE A UN SIGNAL AUDIO

Publication

**EP 1797552 B1 20100421 (DE)**

Application

**EP 05790019 A 20050923**

Priority

- EP 2005010333 W 20050923
- DE 102004049457 A 20041011

Abstract (en)

[origin: US2006075884A1] The finding of the present invention is that the melody extraction or automatic transcription may be implemented clearly more stable and if applicable even less expensive when the assumption is considered sufficiently that the main melody is the portion of a piece of music which man perceives the loudest and the most precise. Regarding this, according to the present invention the time/spectral representation or the spectrogram of an interesting audio signal is scaled using the curves of equal volume reflecting human volume perception in order to determine the melody of the audio signal on the basis of the resulting perception-related time/spectral representation.

IPC 8 full level

**G10H 1/00** (2006.01); **G10L 25/18** (2013.01); **G10L 25/51** (2013.01)

CPC (source: EP KR US)

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Cited by

US10631068B2; US10419541B2; US10567823B2; US9961388B2; US10334324B2; US10880340B2; US10977693B2; US9703947B2; US9716736B2; US9986279B2; US10425675B2; US10771525B2; US9686596B2; US9706265B2; US9838758B2; US9848250B2; US9854330B2; US9866925B2; US9967295B2; US10032191B2; US10074108B2; US10142377B2; US10791152B2; US10986141B2

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