

Title (en)
EXTRACTION OF A MELODY ON WHICH AN AUDIO SIGNAL IS BASED

Title (de)
EXTRAKTION EINER EINEM AUDIOSIGNAL ZU GRUNDE LIEGENDEN MELODIE

Title (fr)
EXTRACTION D'UNE MELODIE SOUS-JACENTE A UN SIGNAL AUDIO

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Application
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Abstract (en)
[origin: WO2006039992A1] According to the invention, melody extraction or automatic transcription can be made significantly more stable and possibly also less expensive by sufficiently taking into account the assumption that the main melody is the portion of a piece of music which is perceived by humans as being the loudest and most prominent. Hence, in order to determine the melody of the audio signal, a melody line which extends across the time/spectral representation is determined (780) first by unambiguously assigning exactly one spectral component or a frequency bin of the time/spectral representation to each time slot or frame, i.e. according to a special embodiment of the invention, the spectral component that results in the sound having the maximum intensity on said frame.

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