

Title (en)  
METHOD FOR TRANSCRIBING MUSIC AND APPARATUS THEREFORE

Publication  
**EP 0331107 B1 19930721 (EN)**

Application  
**EP 89103498 A 19890228**

Priority

- JP 4611188 A 19880229
- JP 4611288 A 19880229
- JP 4611888 A 19880229
- JP 4612588 A 19880229
- JP 4612688 A 19880229
- JP 4612788 A 19880229
- JP 4612888 A 19880229

Abstract (en)  
[origin: EP0331107A2] An automatic music transcription system and apparatus for extracting the pitch information and the power information from an input acoustic signal, for correcting the pitch information in accordance with the amount of deviation of the axis of the musical interval of the acoustic signal in relation to the axis of the absolute musical interval, for dividing the acoustic signal into single-sound segments on the basis of the corrected pitch information while also dividing the acoustic signal into single-sound segments on the basis of the changes in the power information, for dividing the acoustic signal in greater detail on the basis of the segment information obtained on both of these segmentations, for identifying the musical intervals of the acoustic signal in each segment along the axis of the absolute musical interval, and further for dividing the acoustic signal again into single-sounds segments on the basis of the point whether or not the musical intervals of the identified segments in continuum are identical, for determining the key of the acoustic signal on the basis of the extracted pitch information, for correcting the prescribed musical intervals on the musical scale in the determined key on the basis of the pitch information, for determining the time and tempo for the acoustic signal on the basis of the segment information, and for finally compiling musical score data on the basis of the information on the determined musical scale, sound length, key, time and tempo.

IPC 1-7  
**G10G 3/04**

IPC 8 full level  
**G10G 3/04** (2006.01)

CPC (source: EP KR)  
**G10G 3/04** (2013.01 - EP KR)

Cited by  
DE10117870A1; DE10117870B4; EP3929921A4; US2022165239A1; US7470853B2; US7064262B2

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0331107 A2 19890906; EP 0331107 A3 19900110; EP 0331107 B1 19930721;** AU 3079689 A 19890831; AU 614582 B2 19910905; DE 68907616 D1 19930826; DE 68907616 T2 19940303; KR 890013602 A 19890925; KR 970009939 B1 19970619

DOCDB simple family (application)  
**EP 89103498 A 19890228;** AU 3079689 A 19890228; DE 68907616 T 19890228; KR 890002518 A 19890228