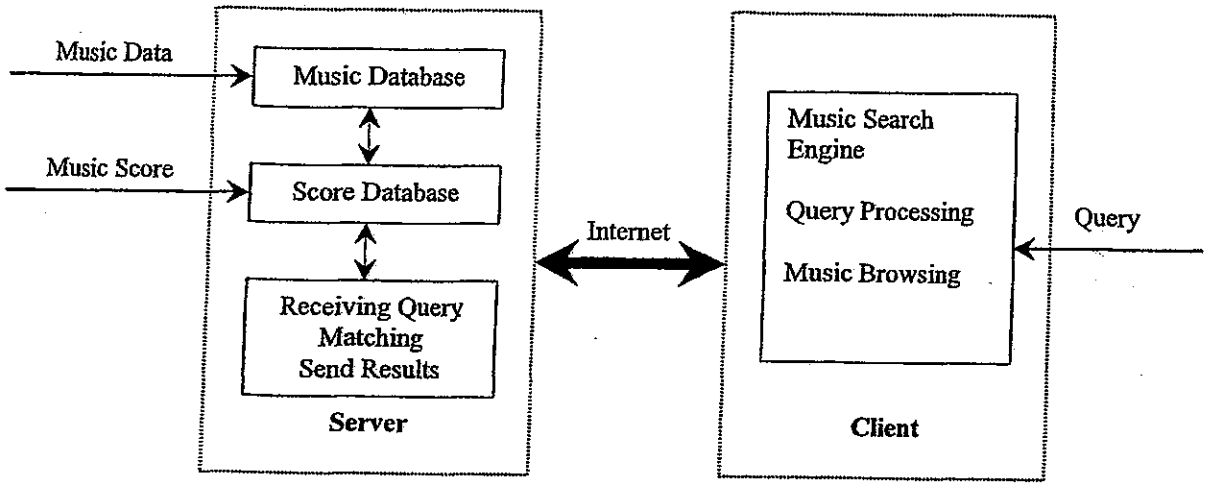


Figure 1: System Architecture

Music Id	Music Title	Singer	Type	Score Keywords	Link To Music Database

Figure 2: Structure of Score Database

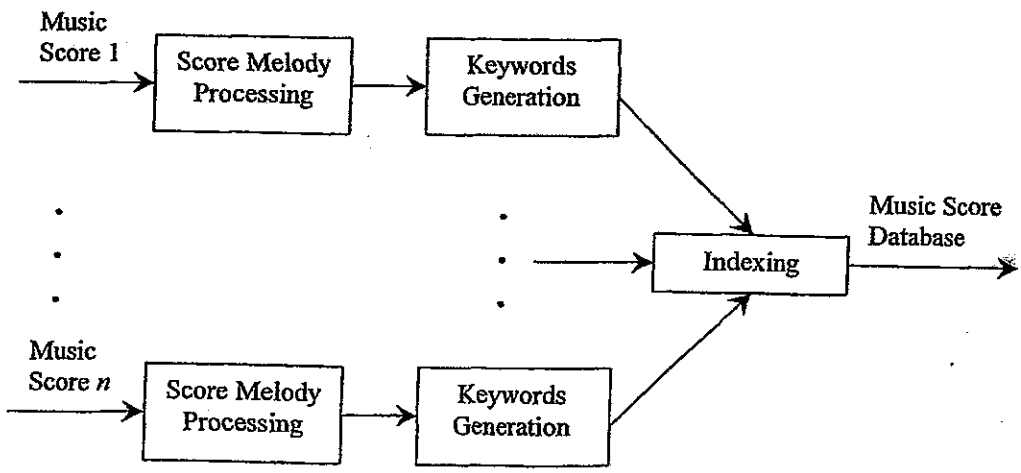


Figure 3: Music Score Database Construction

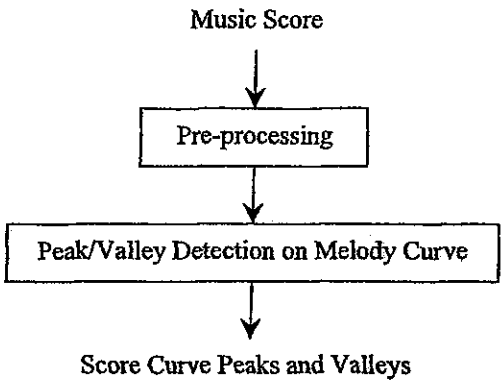


Figure 4: Score Melody Processing

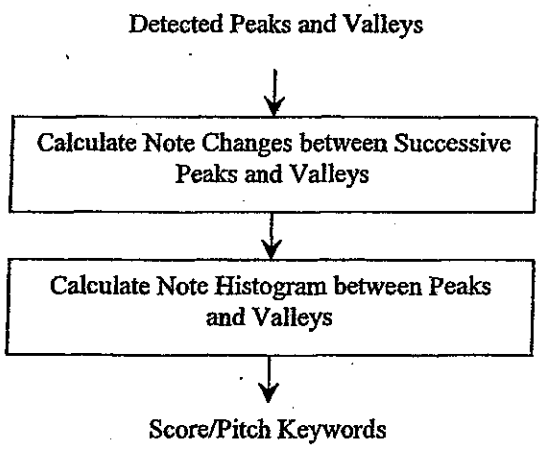


Figure 5: Keywords Generation

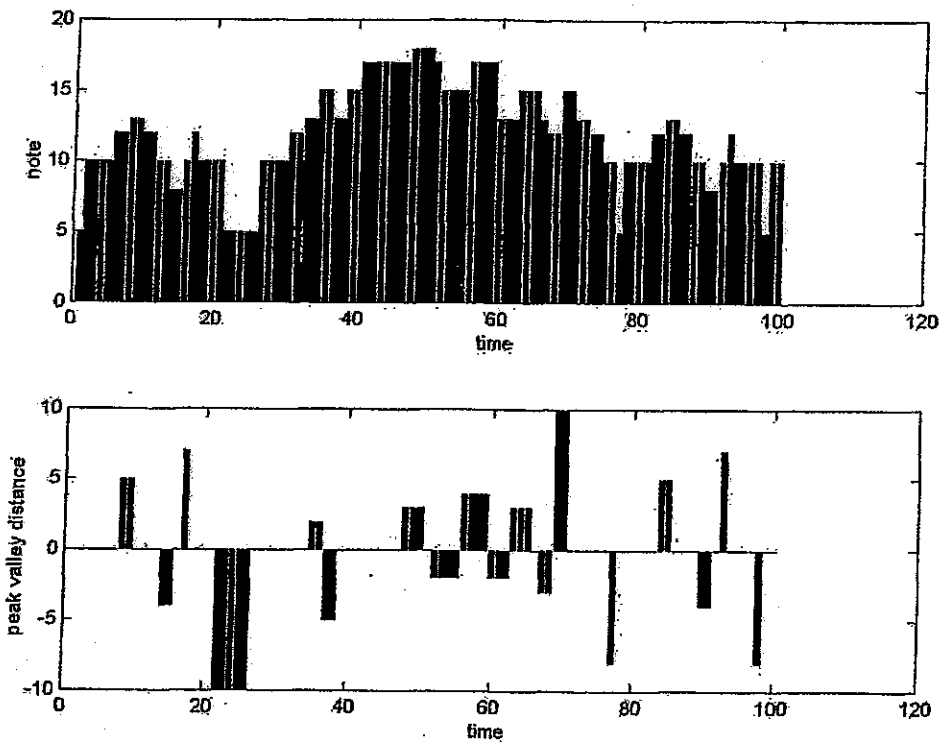


Figure 6 (a): Score Melody Processing

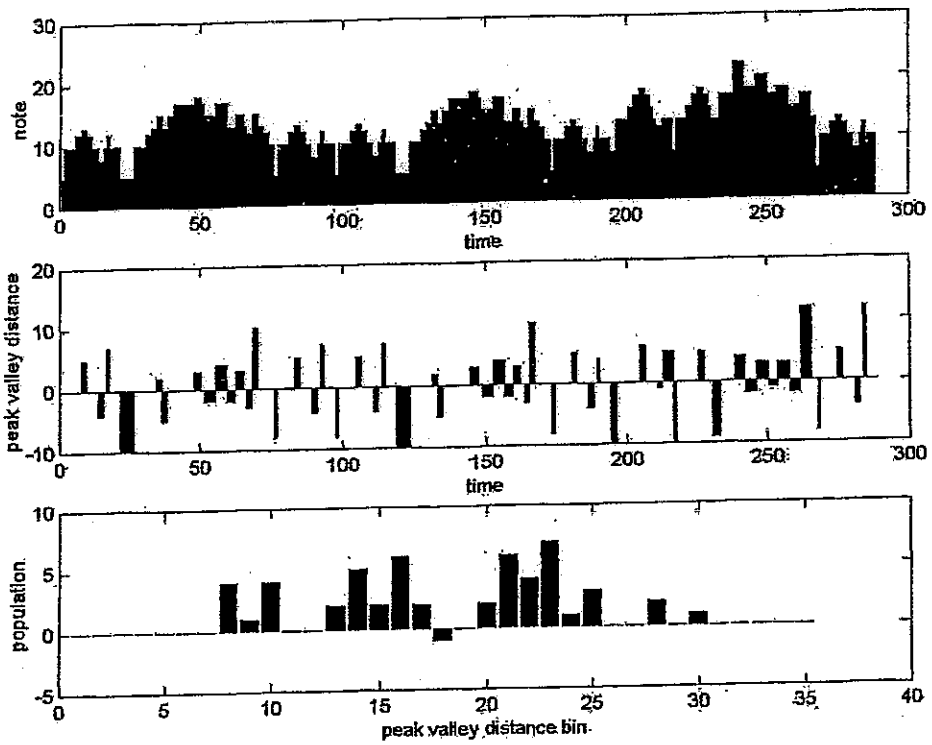


Figure 6 (b): Score Melody Processing for a Complete Song

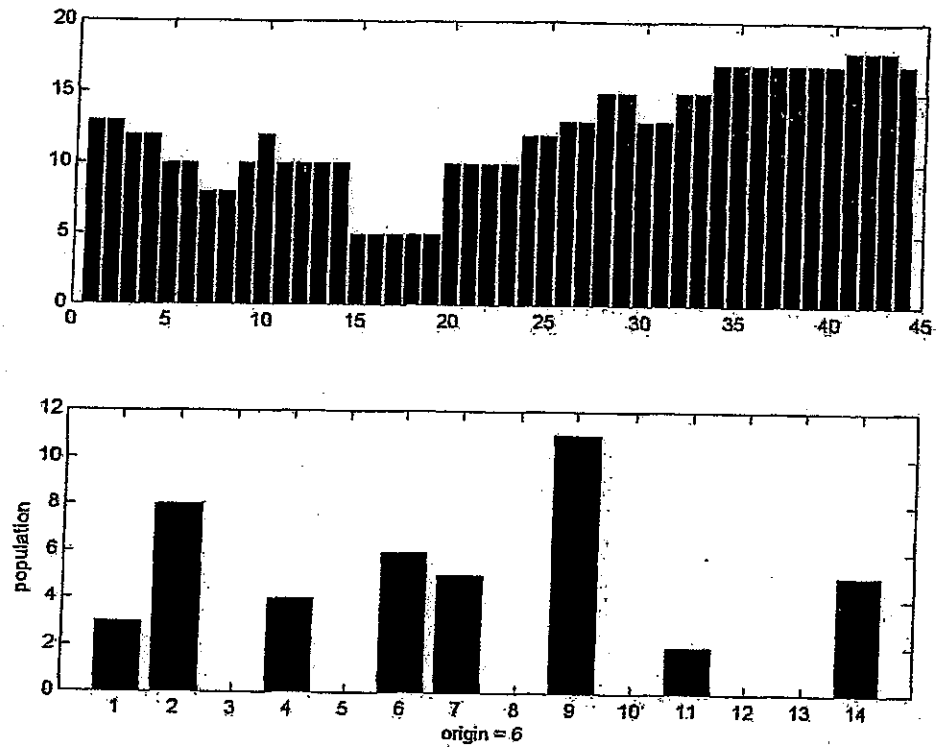


Figure 6 (c): Score Note Histogram

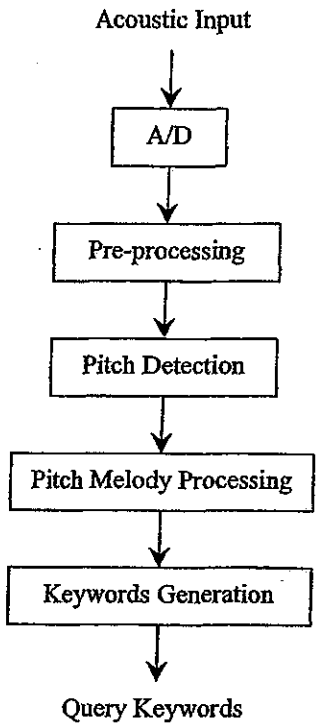


Figure 7: Query Processing

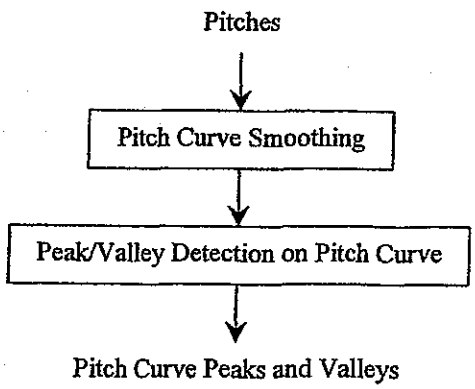


Figure 8: Pitch Melody Processing

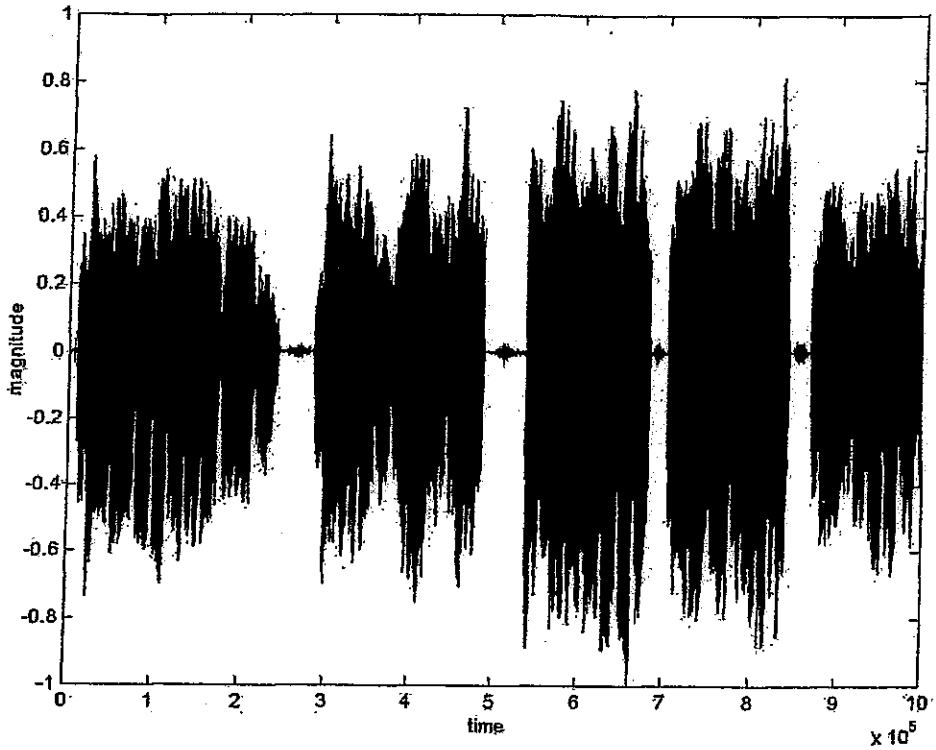


Figure 9 (a): Waveform of a humming query

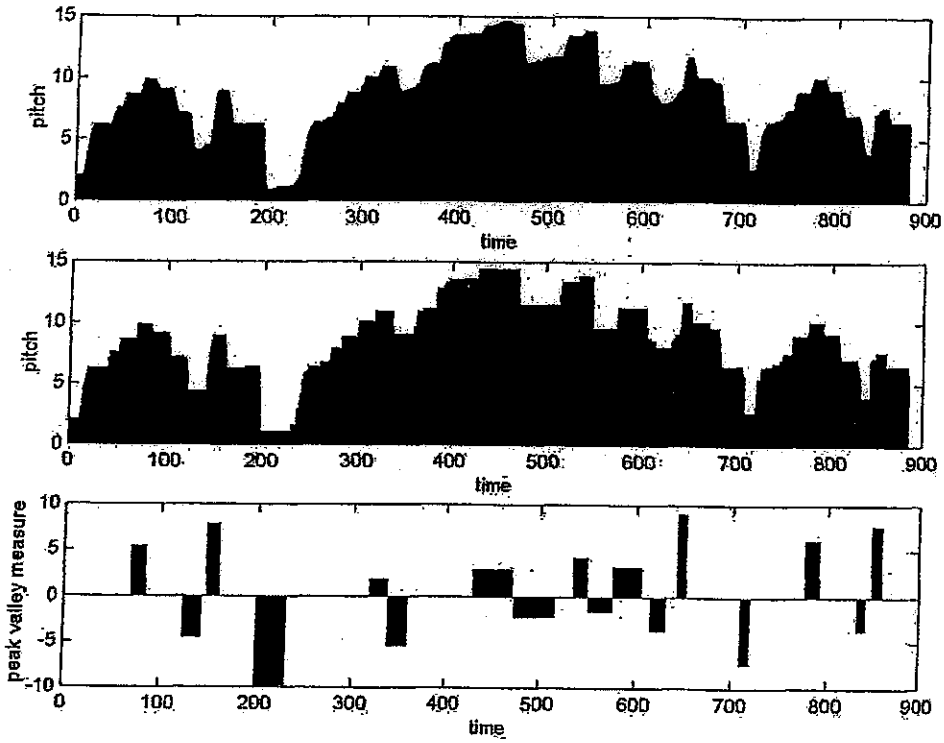


Figure 9 (b): Pitch Melody Processing

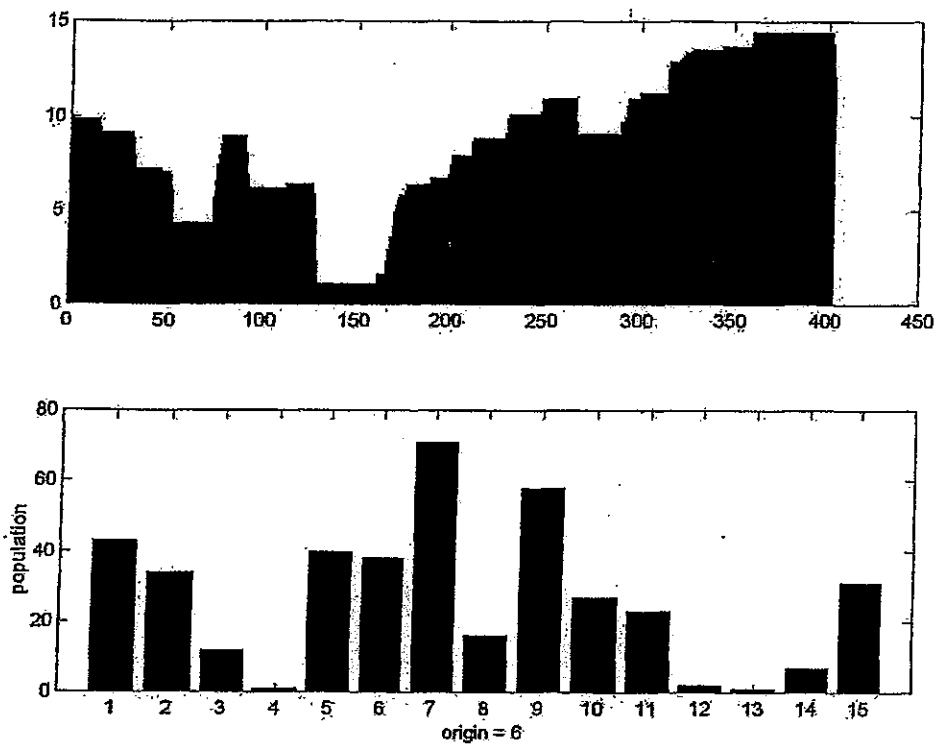


Figure 9 (c): Pitch Keyword Generation

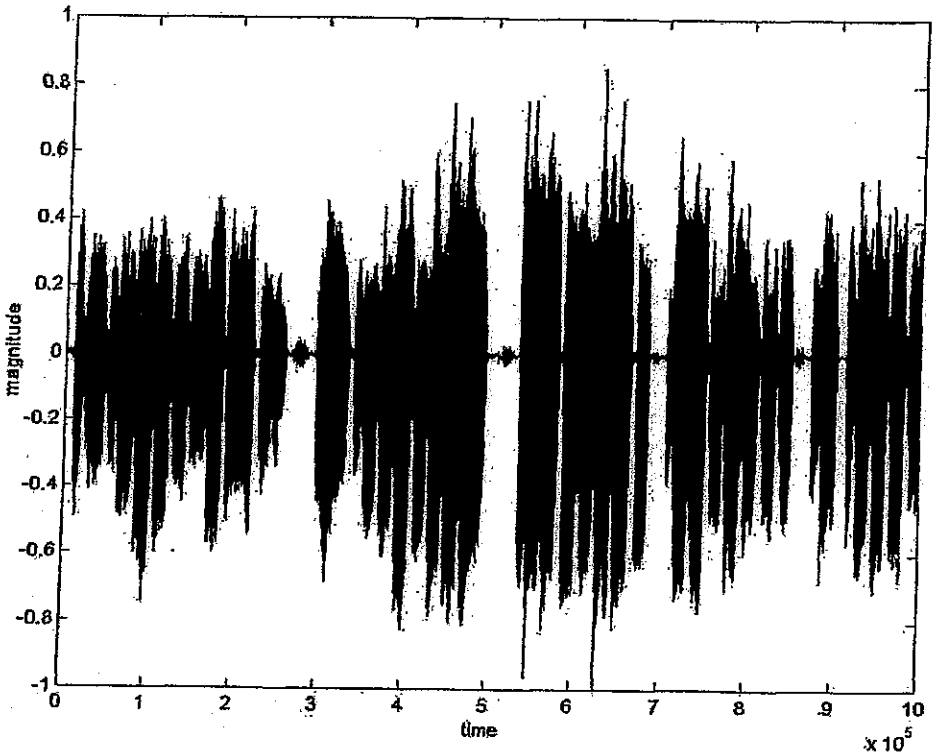


Figure 10 (a): Waveform of a second humming query

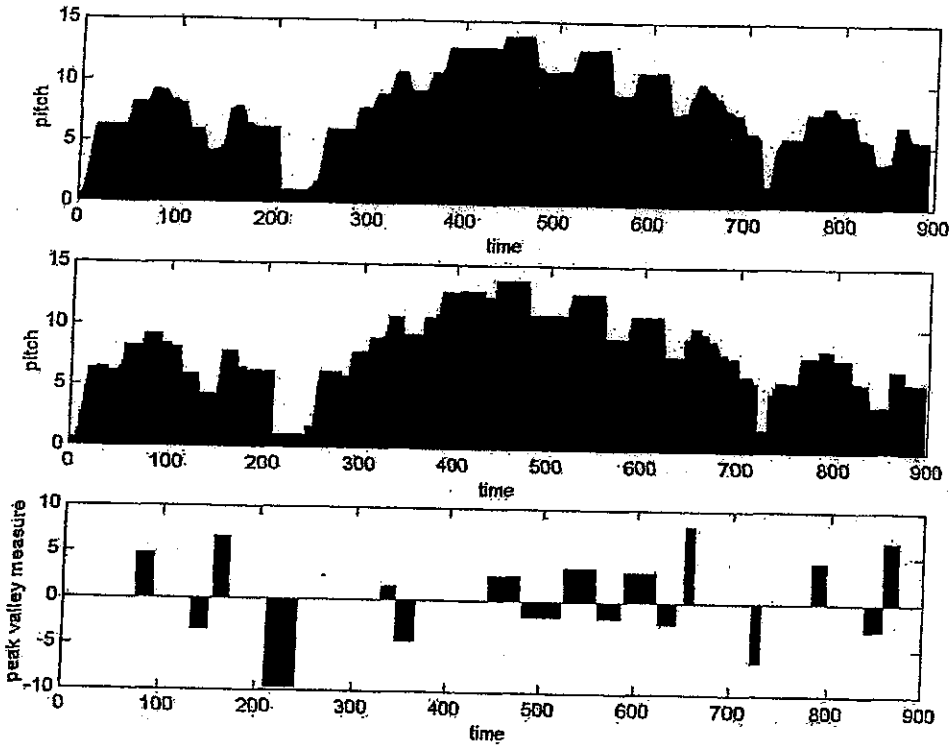


Figure 10 (b): Pitch Melody Processing

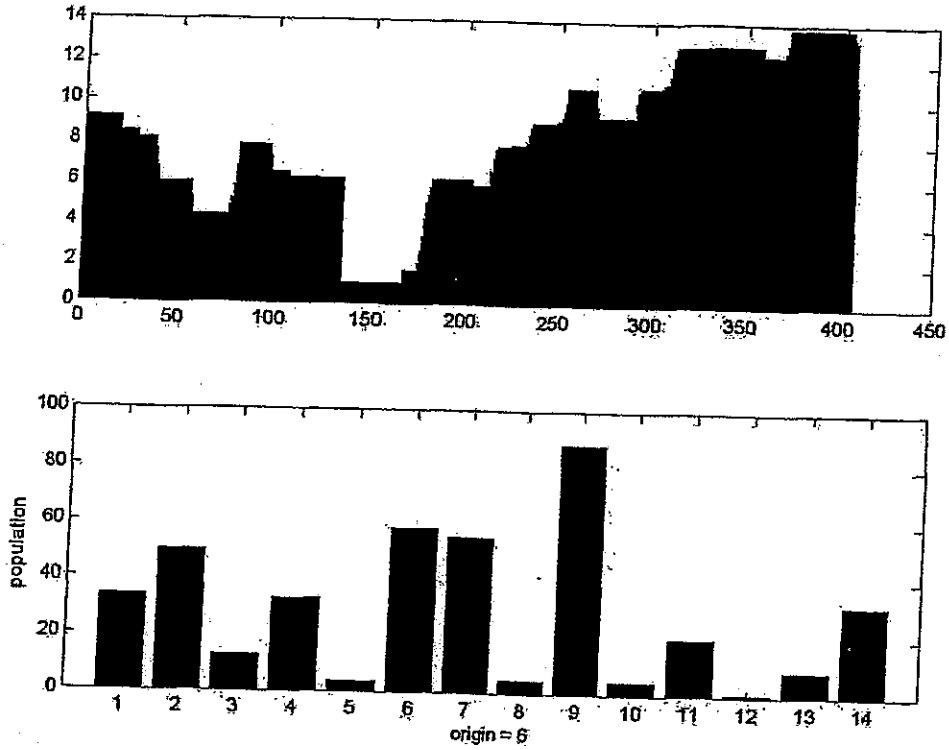


Figure 10 (c): Pitch Keyword Generation

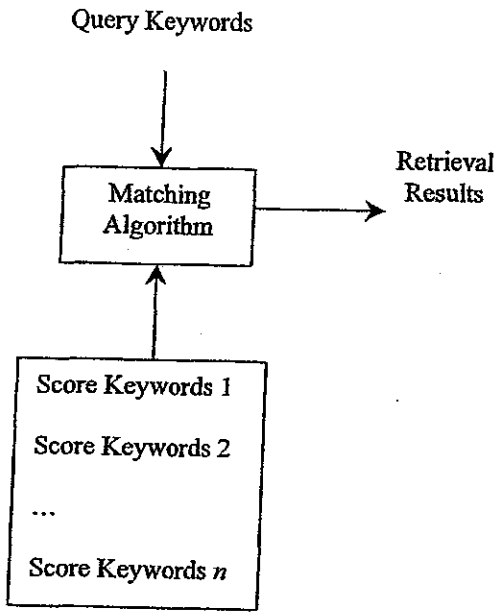


Figure 11: Song Search by Keywords Matching

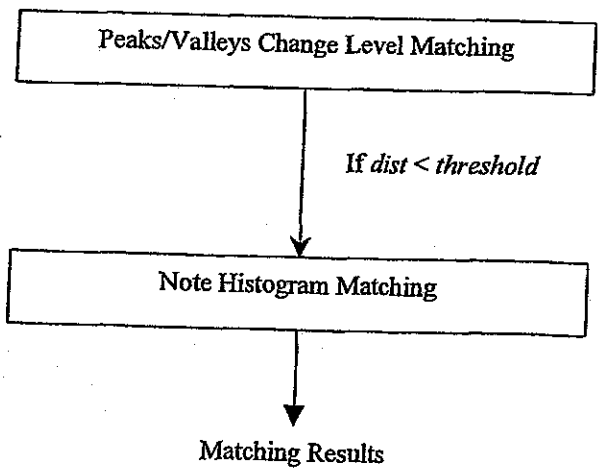


Figure 12: Keywords Matching