

COMPUTERIZED MUSIC APPARATUS PROCESSING WAVEFORM TO CREATE SOUND EFFECT

ABSTRACT

A computerised music apparatus is installed with a program which is executed to perform reproduction of a musical tone by reading out a corresponding waveform. A storage is provided for storing a plurality of waveforms corresponding to different musical tones, each waveform being stored in the form of a sequence of amplitude value data arranged at a given sampling period. Tapping pads are provided for designating at least one of the stored waveforms to command reproduction of a corresponding one of the musical tones. A panel switch is operable by a user for switching the reproduction of the musical tone between a normal mode and an optional mode. A CPU is allotted with relatively high performance under the normal mode for concurrently reading out a number of the designated waveforms from the storage according to the program so as to concurrently reproduce the number of the corresponding musical tones. Otherwise, the CPU is allotted with relatively low performance under the optional mode such that the number of the musical tones concurrently reproduced under the optional mode is reduced as compared to that under the normal mode while the CPU is allotted with additional performance under the optional mode for digitally processing the designated waveform



to impart a scratch effect to the reproduced musical tone according to the program. The scratch effect may be also applied to a fresh waveform inputted from an external source in real time. (Figure 1)

This Sheet Has Been Replaced

