

MUSIC SYSTEM, TONE GENERATOR AND MUSICAL TONE-
SYNTHESIZING METHOD

ABSTRACT OF THE DISCLOSURE

A music system has a main system and a subsystem. The subsystem synthesizes musical tones, based on waveform data supplied from a cache memory as a temporary memory device, transfers waveform data stored in the cache memory in predetermined blocks to a tone generator according to progress of musical tone synthesization by the tone generator, sequentially stores next blocks of externally supplied waveform data in the cache memory at areas thereof which have become empty after the data transfer, and mixes together the musical tones synthesized by the tone generator and musical tones supplied from the main system. The main system includes a waveform memory and synthesizes musical tones, based on waveform data supplied from the waveform memory. The main system sequentially analyzes and processes performance data, synthesizes a musical tone when the main system is assigned to synthesize the musical tone, while it reads waveform data in the predetermined blocks from the waveform memory and transmits the same to the subsystem when the subsystem is assigned to synthesize a musical tone.

Figure 1