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ABSTRACT OF THE DISCLOSURE

A a tone signal synthesizer comprises a loop circuit for circulating a tone signal, means for applying a driving waveform to the loop circuit, a delay circuit connected within the loop circuit, for giving delay time corresponding to pitch to the circulating tone signal, and a variable all-pass filter connected within the loop circuit and being capable of changing the phase of the tone signal corresponding to the frequency thereof, so that musical tone can be controlled in accordance with touch, and various characteristics can be changed in accordance with touch to simulate the vibration of pitch and the generation of non-harmonic components caused by touch in a natural musical instrument.

This Sheet Has Been Replaced

