

A B S T R A C T

"Device for and Method of Generating Tone and Picture on the Basis of Performance Information"

When performance information, such as MIDI data, is
5 input, physical events or phenomena are simulated on the basis
of the input performance information, and computer graphics
or CG parameters and tone parameters are determined on the
basis of the simulated results. The determined CG parameters
are passed to a general-purpose CG library, while the
10 determined tone parameters are passed to a tone generator
driver. The general-purpose CG library generates data
representing a three-dimensional configuration of an object
on the basis of the received CG parameters, and executes a
rendering operation to generate two-dimensional picture data
15 on the basis of the three-dimensional data, so that the thus-
generated two-dimensional picture data is visually displayed.
The tone generator driver generates a tone signal on the basis
of the received tone parameters, which is audibly reproduced
as an output tone.

20

(Figure 2)