# A Recordable Compact Disk Controller Circuit

## ABSTRACT OF THE DISCLOSURE

A CD-R controller for recording on a CD-R disk a signal representative of a set of signal data. The CD-R controller includes a buffer manager for receiving a command such as a CUE-sheet, and sends the command to a micro-controller. The micro-controller generates instructions corresponding to each command by using information stored in a ROM. The buffer manager stores the instructions in a buffer and then sends the instructions to a CD-R formatter. Buffer manager may then send signal data corresponding to the instructions to a recording circuit. CD-R formatter generates control signals to the recording circuit from the instructions. The control signals cause recording circuit to generate recording signals to a CD-R drive. The CD-R drive may record the signal representative of the signal data in response to the recording signals.

(Figure 2)