## ABSTRACT

# METHOD AND SYSTEM FOR FACILITATING IRDA SUPPORT AND INTEGRATED MULTIMEDIA CONTROL FOR A CD-ROM DRIVE

A method and system for expanding the features and functions of a CD-ROM drive by facilitating communication between the drive and a host computer. The communication allows a user to control the basic functions, such as volume control, fast forwarding, and playing, from the hard buttons and knobs from the front panel of the drive without incurring conflict with the host computer. It can also allow an IRDA module to be attached to the drive to transfer IRDA data via the IDE/ATAPI port. A parameter and control pages are stored in the firmware of the CD-ROM drive. The parameter page provides parameters to define the input devices, and the control pages update the changes in the status of the input devices. The host computer reads the control pages at a predetermined interval and issues appropriate command based on the changes in the status.

FIG. 7