MASS STORAGE PERIPHERAL DEVICE WITH OPERATING CIRCUITRY AND PROGRAMS LOCATED REMOTELY THEREFROM

ABSTRACT OF THE DISCLOSURE

A mass storage peripheral device for use with a host computer has a rotating data medium with a motor arranged to rotate it. A sensor reads information from the medium, and a data preamplifier for amplifies the read information. An interface is connected between the mass storage peripheral device and the associated computer. The interface includes a data transmission path to conduct data signals from the data amplifier to a controller circuit for the peripheral device in the host computer. The mass storage peripheral device may also include a circuit path to receive motor control and drive signals from the host computer for operating the motor. The peripheral device may be adapted to receive motor control signals from a servo circuit, which is preferably located in the host computer and connected to the interface for operating the motor. A read channel circuit is connected to receive the amplified data signal, also may be located in the host computer.

FIGURE 1