



162162

ABSTRACT OF THE DISCLOSURE (FIG. 2)

"ELECTRONIC DEVICE WITH SERIAL ATA
INTERFACE AND SIGNAL AMPLITUDE
AUTOMATIC ADJUSTMENT METHOD"

5

An amplitude detector incorporated in
an electronic device with a serial ATA interface
detects the amplitude of a serial data signal input to
an I/O circuit via a SATA bus. An averaging unit
10 averages the detection results of the amplitude
detector. A comparator compares the resultant average
with an expected input signal amplitude. Based on the
comparison result, an amplitude adjuster adjusts the
amplitude of a serial data signal when this signal is
15 output from the I/O circuit. Adjustment is performed
such that when the serial data signal output from the
I/O circuit is input to another electronic device via
the SATA bus, it has an amplitude at least
approximately equal to the expected input signal
20 amplitude. In other embodiments, the invention
utilizes an amplitude detector, comparator and
adjuster and employs a step-by-step adjustment of the
electronic device with another similarly equipped
electronic device.



G00002