

EXHIBIT 2003

(12) **United States Patent**
Sartore et al.

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(54) **UNIVERSAL SERIAL BUS INTERFACE SYSTEM AND METHOD**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

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(22) Filed: **Jan. 4, 2000**

Related U.S. Application Data

(63) Continuation of application No. 08/886,923, filed on Jul. 2, 1997, now Pat. No. 6,012,103.

(51) **Int. Cl.**⁷ **G06F 13/368**

(52) **U.S. Cl.** **710/8; 710/9; 710/10**

(58) **Field of Search** 713/1, 100; 710/8, 710/7, 9, 10; 320/21; 709/220, 221, 250; 711/103-105

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Primary Examiner—Thomas Lee

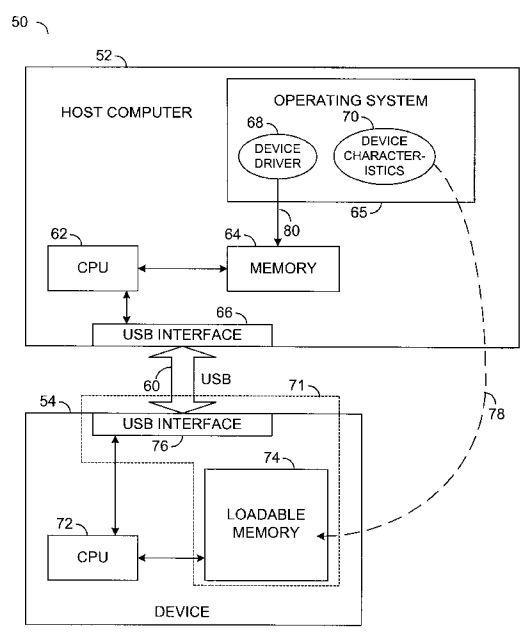
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(57) **ABSTRACT**

A system for reconfiguring a peripheral device having a first configuration connected by a computer bus and a port to a host computer. The system comprises a first circuit and a second circuit. The first circuit may be configured to download information for a second configuration from the host computer into the peripheral device over the computer bus. The second circuit may be configured to electronically simulate, over the computer bus, a physical disconnection and reconnection of the peripheral device to reconfigure the peripheral device to the second configuration.

20 Claims, 7 Drawing Sheets



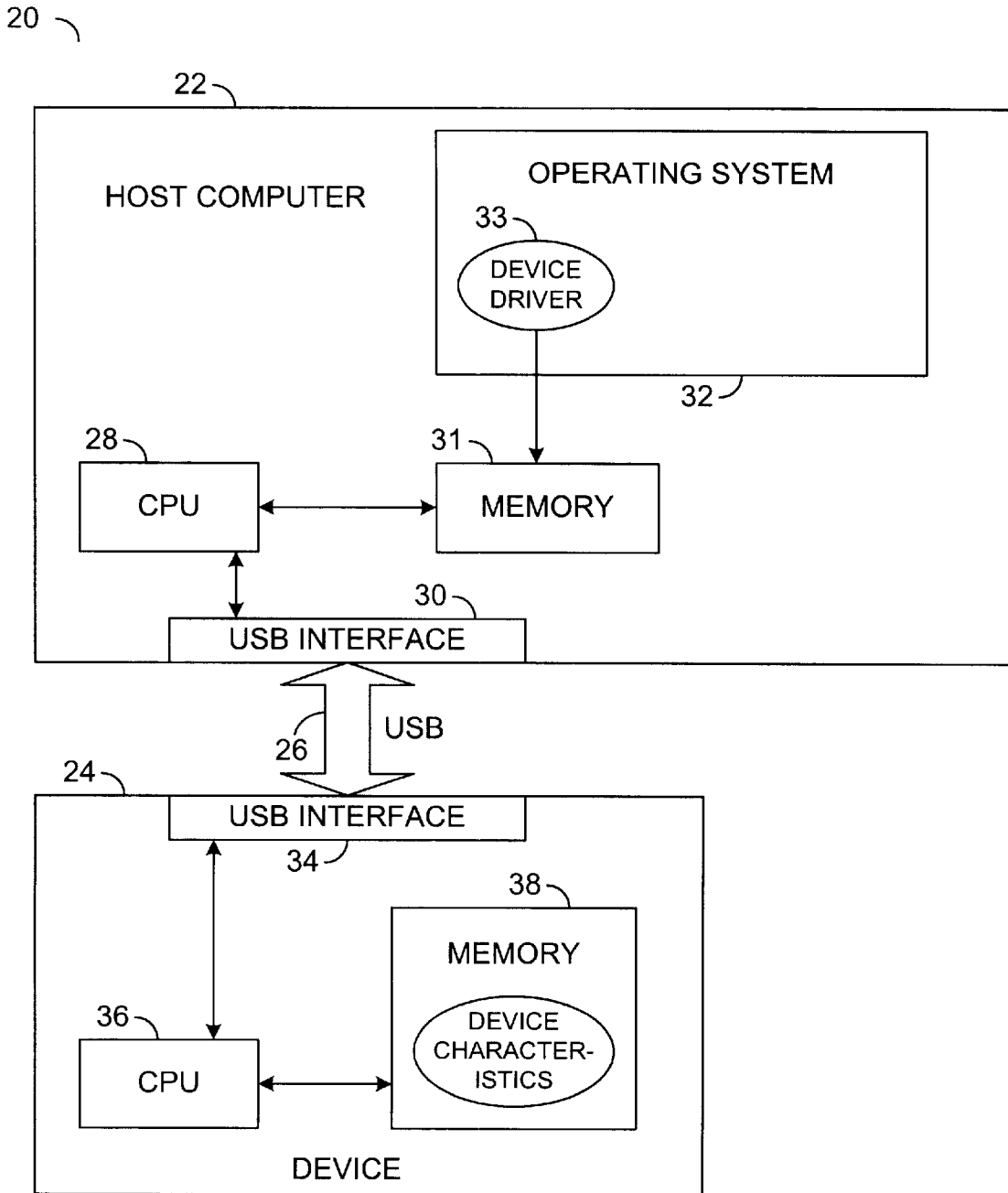


FIG. 1
(PRIOR ART)

50

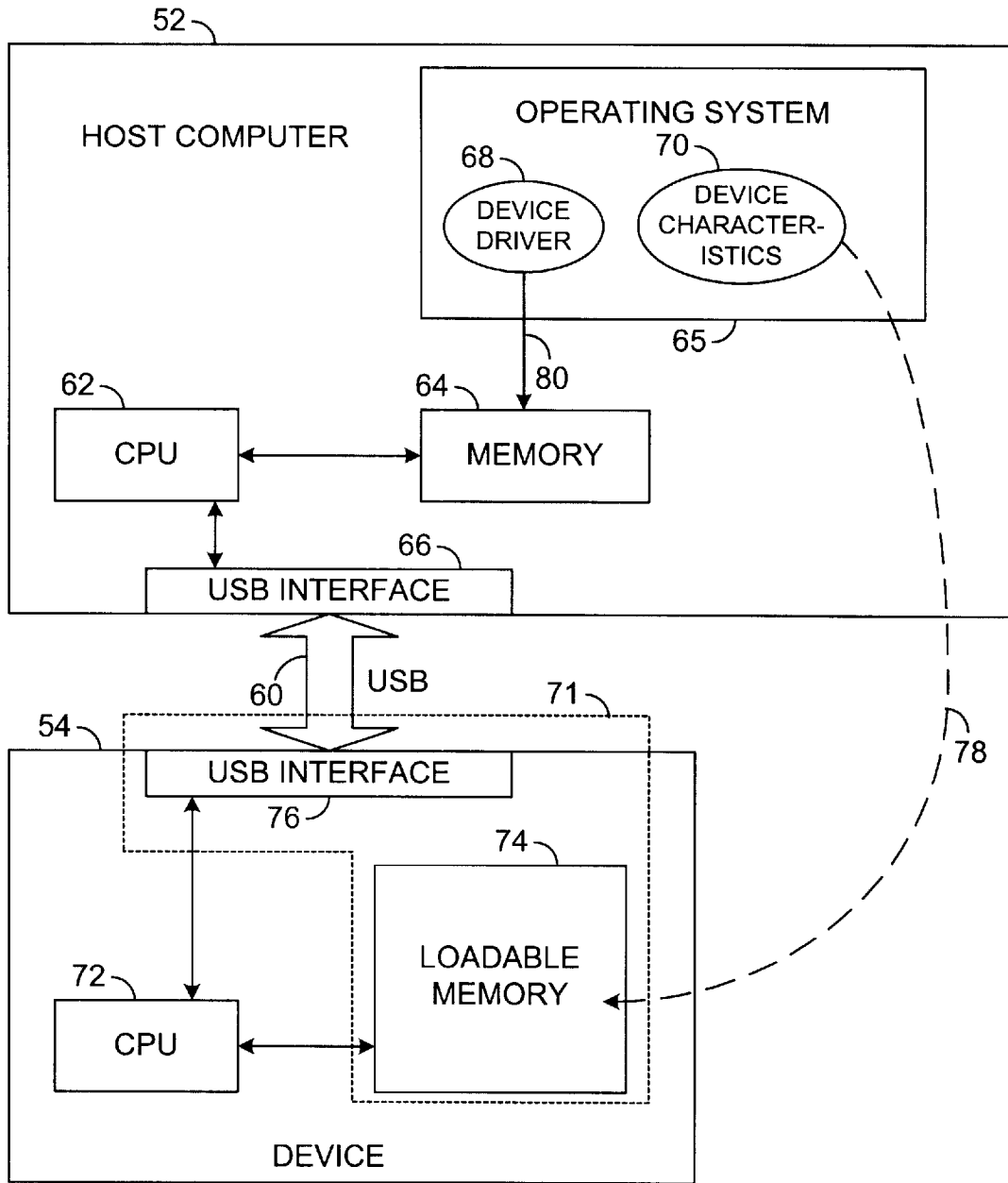


FIG. 2

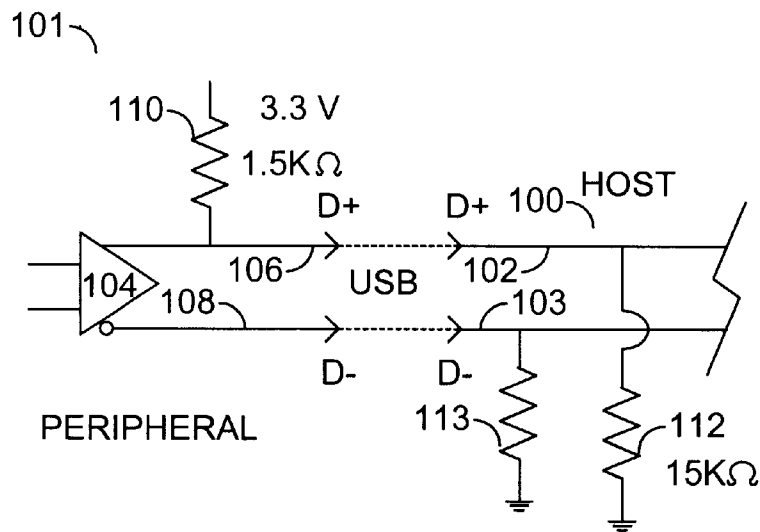


FIG. 3
(PRIOR ART)

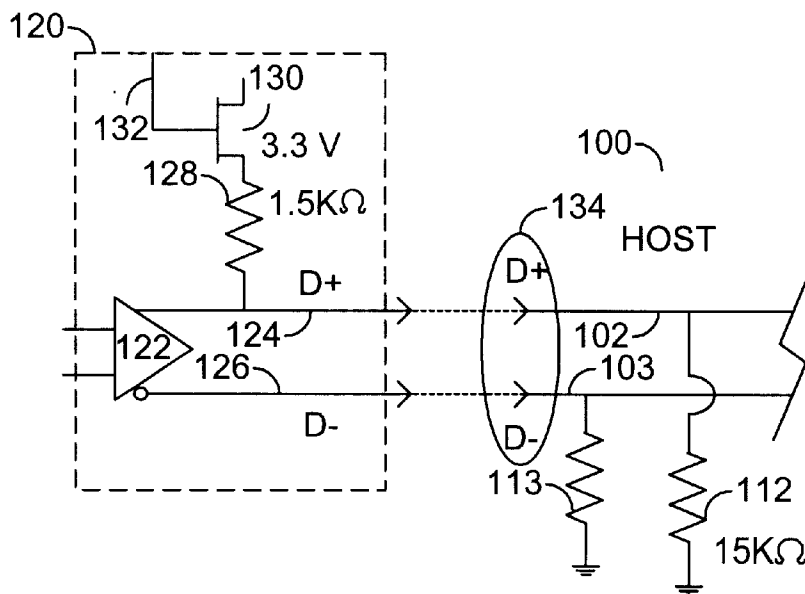


FIG. 4

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