

EXHIBIT 2003

(12) United States Patent
Sartore et al.

(10) Patent No.: US 6,493,770 B1
(45) Date of Patent: *Dec. 10, 2002

- (54) **SYSTEM FOR RECONFIGURING A PERIPHERAL DEVICE BY DOWNLOADING INFORMATION FROM A HOST AND ELECTRONICALLY SIMULATING A PHYSICAL DISCONNECTION AND RECONNECTION TO RECONFIGURE THE DEVICE**
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- (73) Assignee: **Cypress Semiconductor Corp.**, San Jose, CA (US)
- (*) 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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(21) Appl. No.: **09/878,488**

(22) Filed: **Jun. 11, 2001**

Related U.S. Application Data

(63) Continuation of application No. 09/476,923, filed on Jan. 4, 2000, now Pat. No. 6,249,825, which is a 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; 710/10; 713/2**
- (58) **Field of Search** **710/1, 8, 9, 10, 710/100; 709/220, 221, 250; 711/103, 104, 105; 320/21, 155; 703/21; 713/1, 2, 100**

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Primary Examiner—Thomas Lee

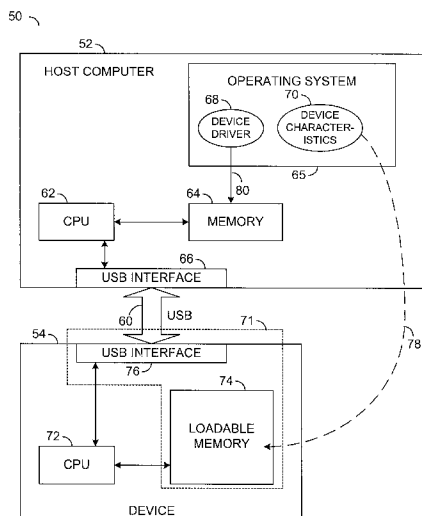
Assistant Examiner—Thuan Du

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(57) **ABSTRACT**

A system and method for reconfiguring a peripheral device connected by a computer bus and port to a host from a first generic configuration to a second manufacturer specific configuration is provided in which the configuration of a peripheral device may be electronically reset. A peripheral interface device for a standardized computer peripheral device bus and port is also provided in which a physical disconnection and reconnection of the peripheral device is emulated to reconfigure the bus and port for a particular peripheral device.

20 Claims, 7 Drawing Sheets



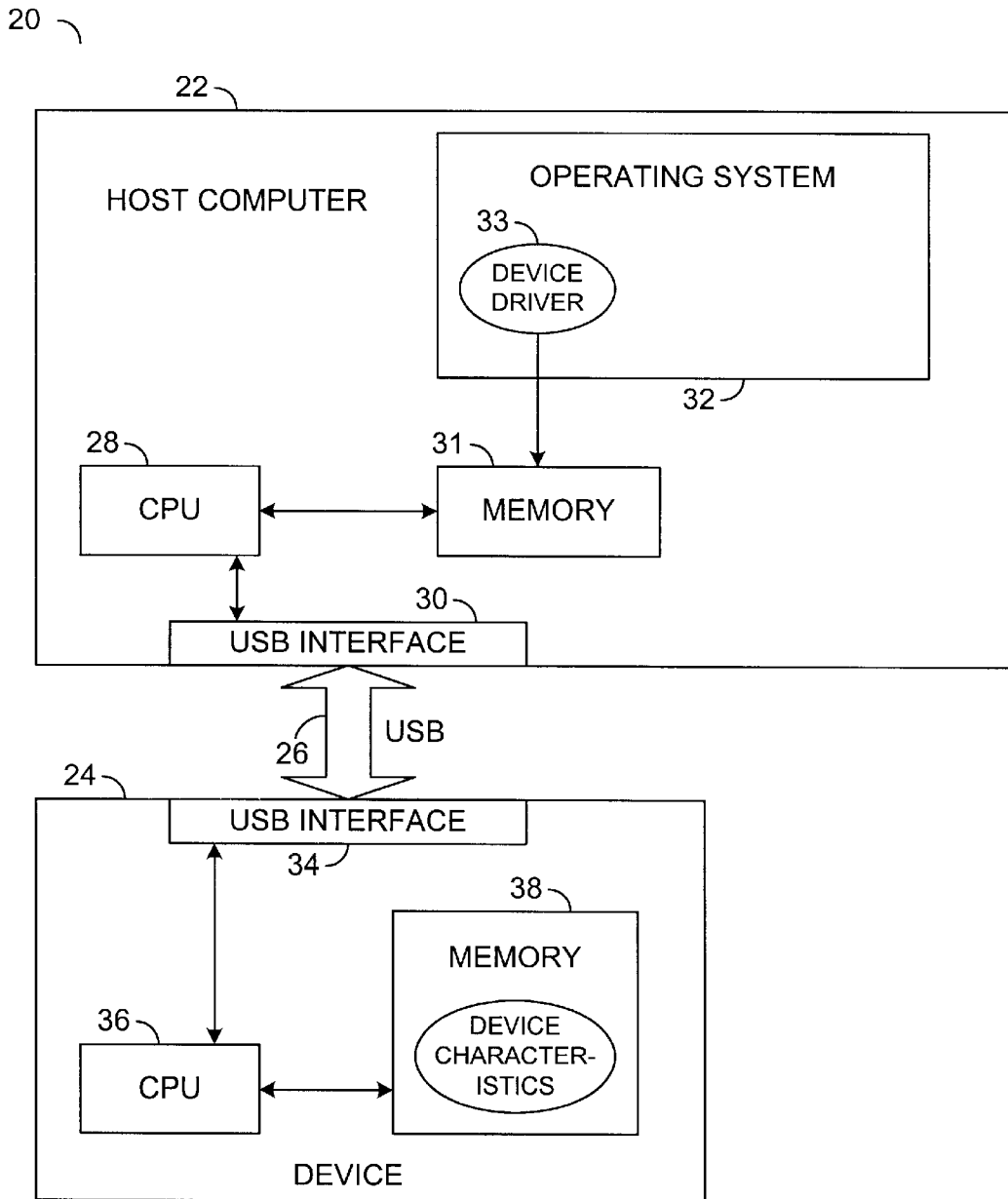


FIG. 1
(PRIOR ART)

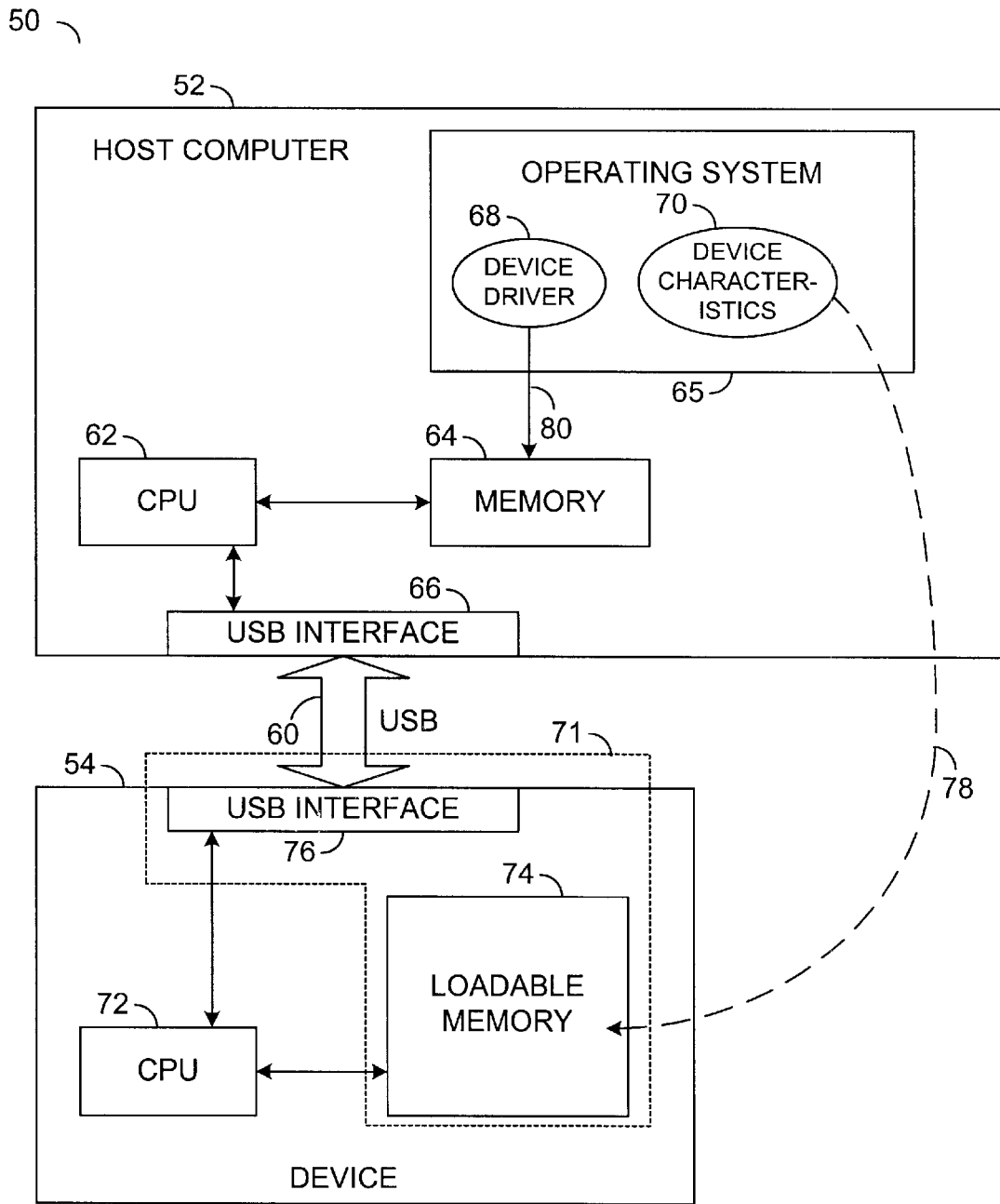


FIG. 2

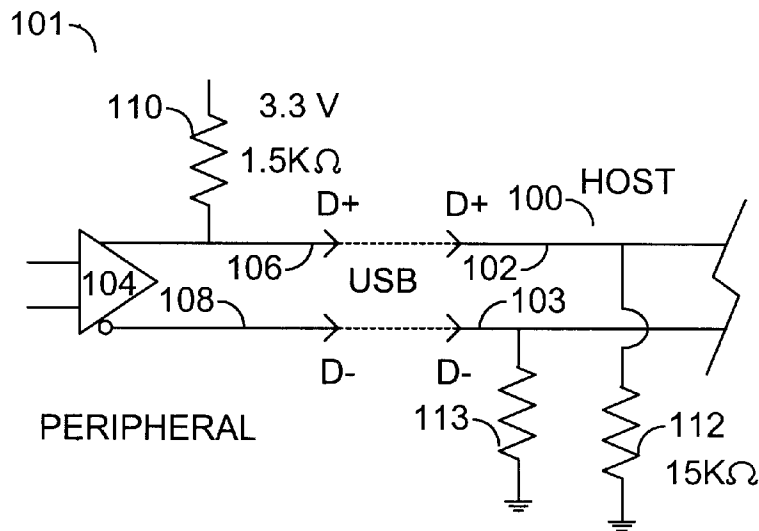


FIG. 3
(PRIOR ART)

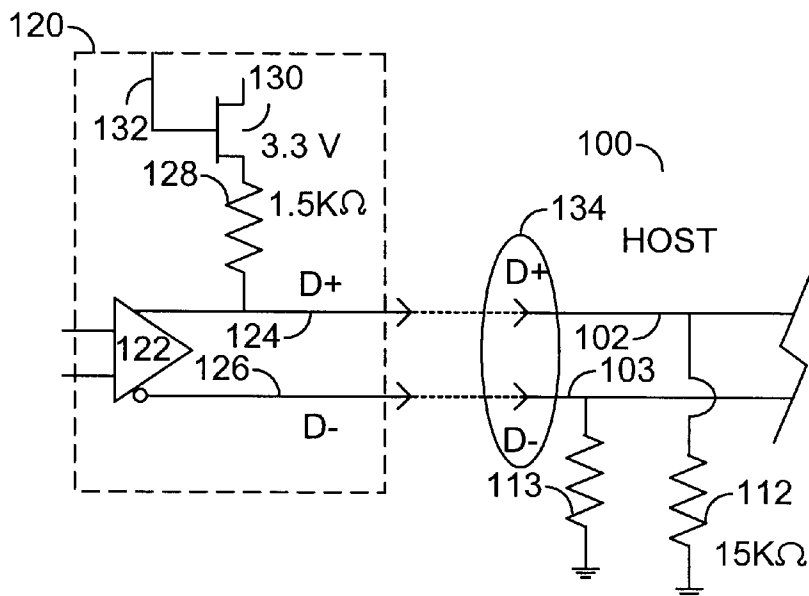


FIG. 4

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