

- (54) **UNIVERSAL SERIAL BUS ADAPTER WITH AUTOMATIC INSTALLATION**
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- (73) Assignee: **Inline Connection Corporation**, Washington, DC (US)
- (\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 197 days.
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- (22) Filed: **Jul. 20, 2000**

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**Related U.S. Application Data**

- (60) Provisional application No. 60/145,836, filed on Jul. 27, 1999.
- (51) **Int. Cl.<sup>7</sup>** ..... **G06F 13/00**
- (52) **U.S. Cl.** ..... **710/300; 710/8; 710/10; 710/100; 710/104; 710/305; 713/1; 713/2; 713/100; 709/1; 709/221; 709/311; 703/24; 717/174; 717/175; 717/176; 717/177; 717/178**
- (58) **Field of Search** ..... 710/100, 8, 10, 710/300, 305, 104; 713/1, 2, 100; 717/174-178, 121; 709/1, 221, 311; 703/24

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*Assistant Examiner*—Justin King  
 (74) *Attorney, Agent, or Firm*—Hale and Dorr LLP

(57) **ABSTRACT**

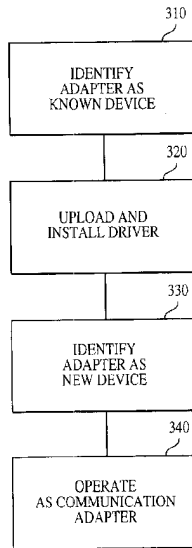
A peripheral device and a method for operating the peripheral device for automatic installation, in which the method includes coupling the peripheral device to a computer and sending a first device identification from the peripheral device to the computer. The peripheral device emulates a device of a type determined by the first device identification, including transferring a driver from the peripheral device to the computer. Then, the peripheral device sends a second device identification from the peripheral device to the computer, such that the sent device identification is for a device supported by the driver transferred to the computer. The peripheral device is then operates by interacting with the driver on the computer.

**20 Claims, 4 Drawing Sheets**

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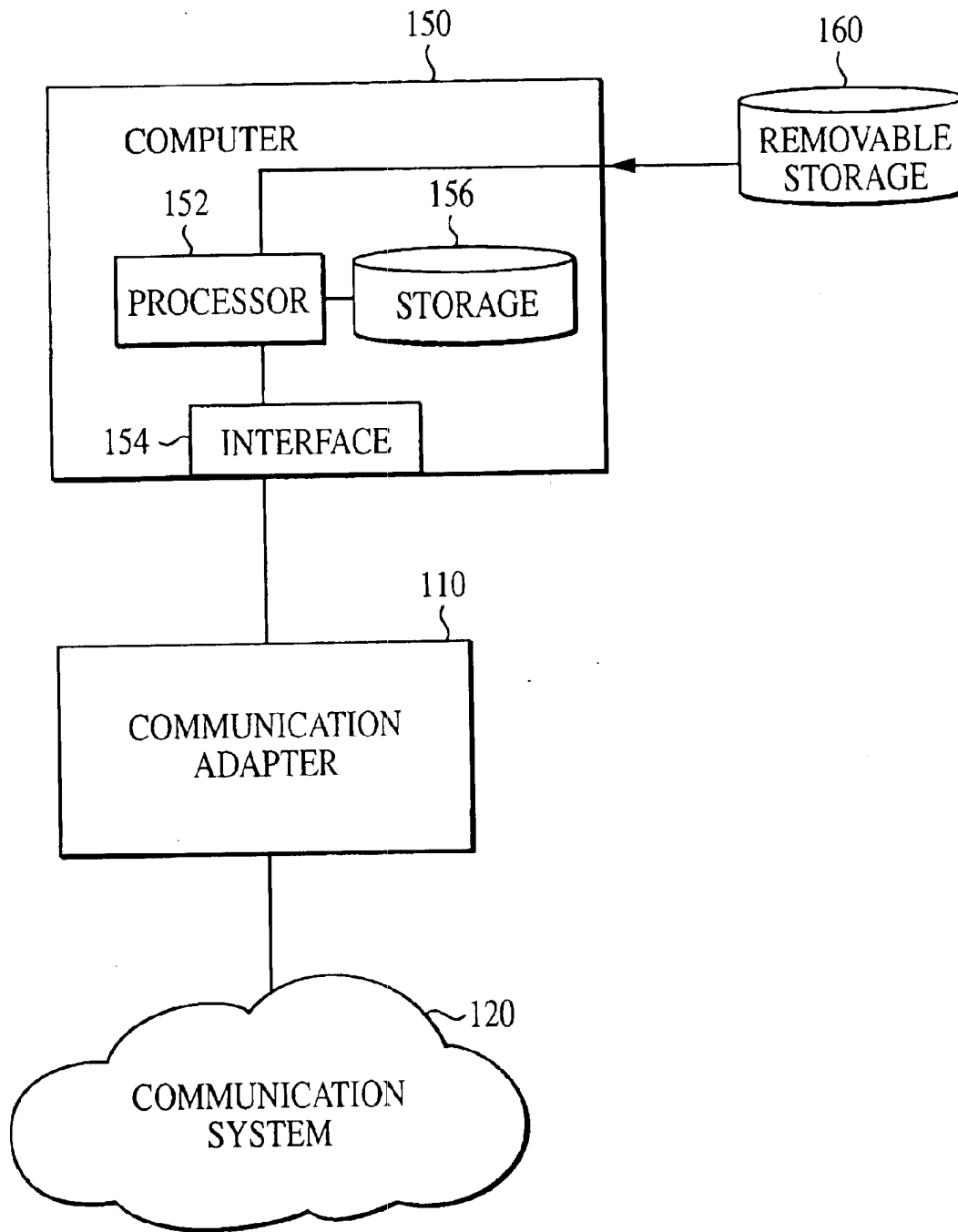


FIG. 1  
(PRIOR ART)

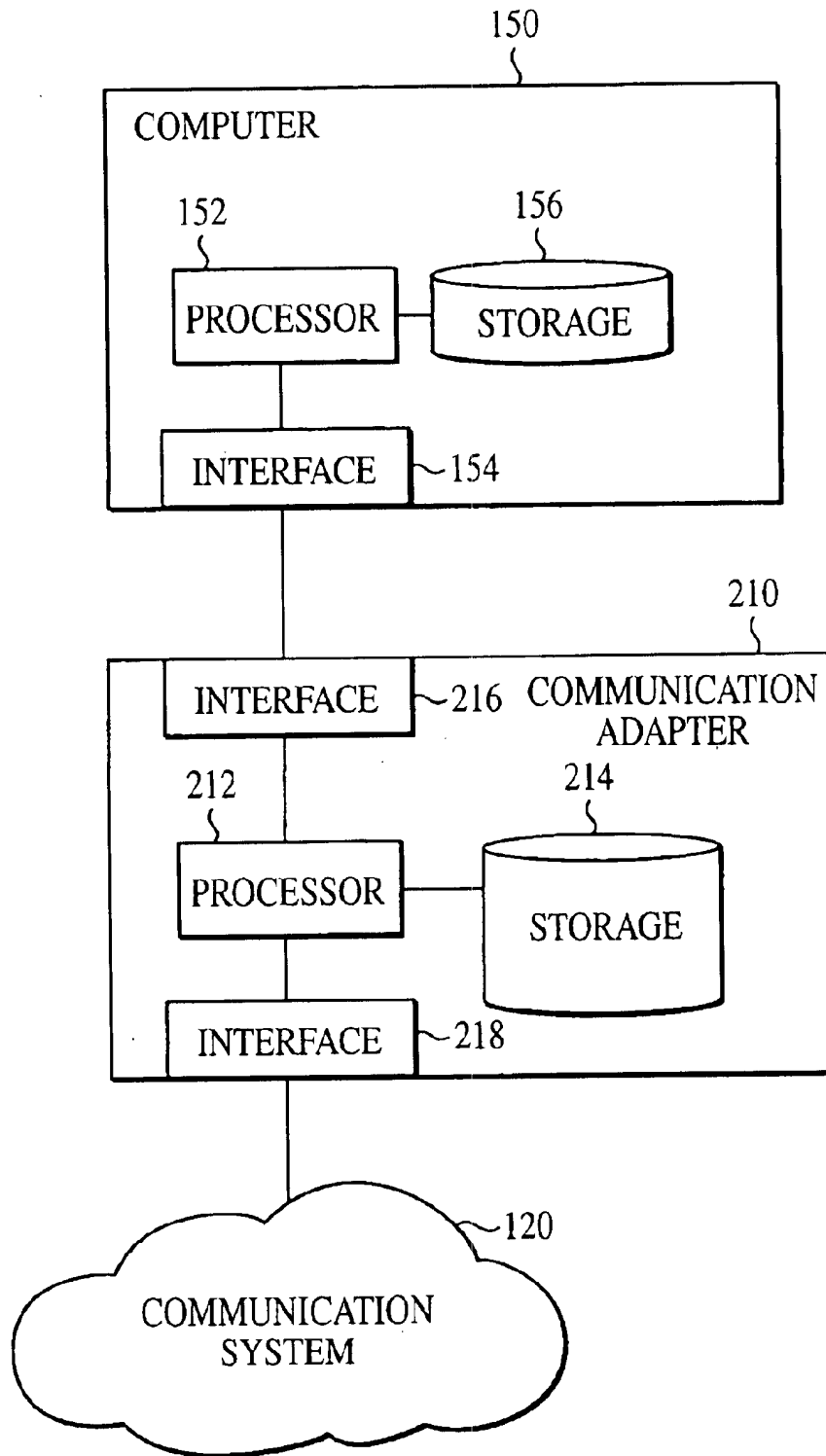


FIG. 2

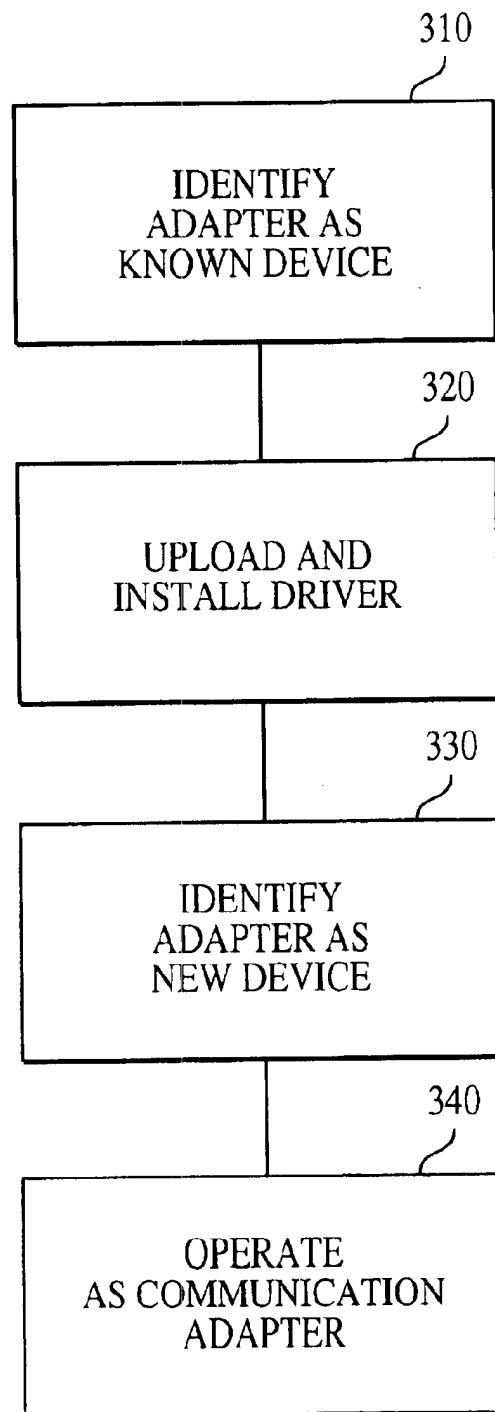


FIG. 3

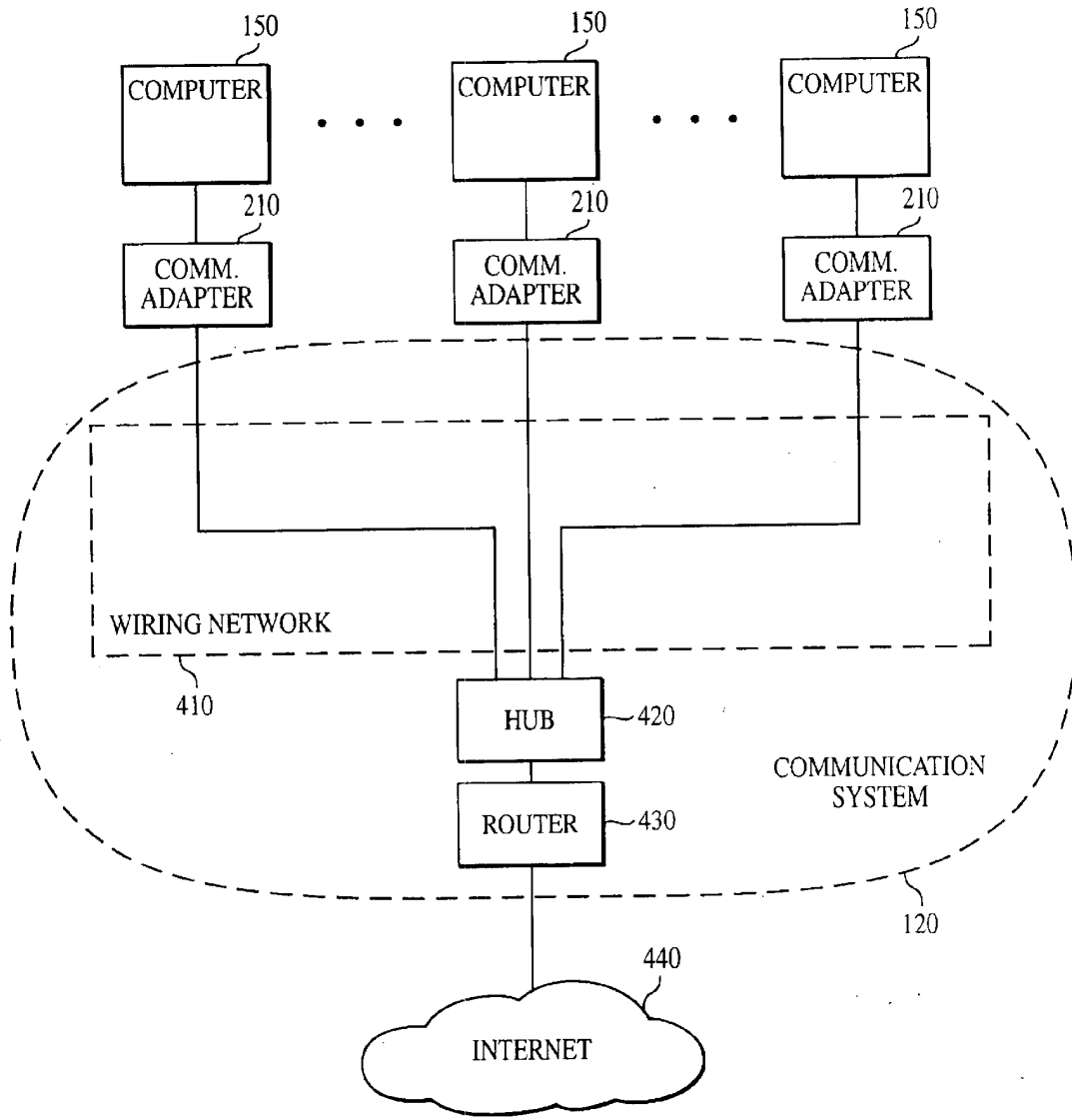


FIG. 4

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