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(12) United States Patent

Sundaram et al.

(54) METHOD AND SYSTEM FOR RELIABLE **DEVICE CONFIGURATION IN A COMPUTER SYSTEM**

- (75) Inventors: Rajesh Sundaram, Sunnyvale, CA (US); Toshiya Miyazaki, San Jose, CA (US); Isamu Yamada, San Jose, CA (US)
- Assignee: Fujitsu Limited, Kawasaki (JP) (73)
- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
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- (22)Filed: Dec. 20, 1999
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G06F 17/00

- (52)U.S. Cl. 710/19; 710/8; 710/15; 710/16; 710/17; 710/18; 710/20; 715/705; 715/708
- (58)Field of Search 710/1-74, 315, 710/302; 345/772; 709/310, 227; 370/402; 700/17

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(10) Patent No.:

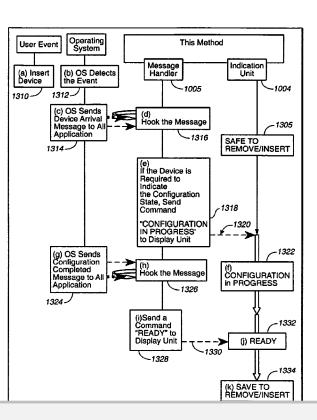
Primary Examiner-Jeffrey Gaffin

Assistant Examiner-Joshua D Schneider (74) Attorney, Agent, or Firm-Sheppard Mullin Richter & Hampton LLP

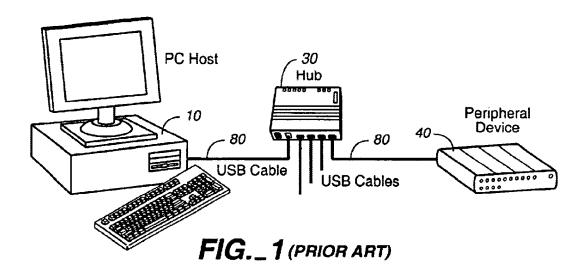
(57)ABSTRACT

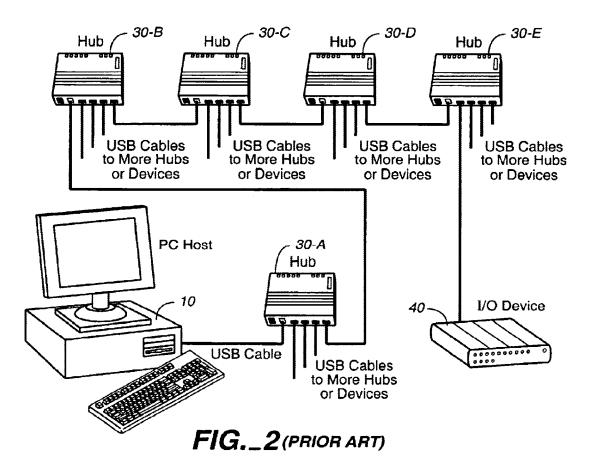
A configuration notification unit monitors internal messages generated by an operating system of a computer related to a device configuration process for plug and play devices coupled to the computer via a serial bus interface. The configuration notification unit outputs a real time warning to the user when it is unsafe to change the number of devices coupled to the computer. In a preferred embodiment, the configuration notification unit include a message handler coupled to an indication unit.

27 Claims, 13 Drawing Sheets



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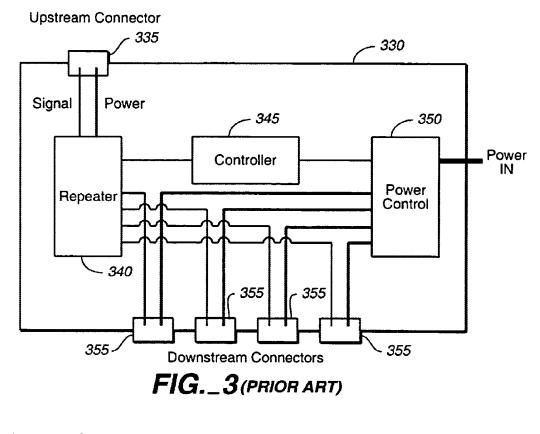
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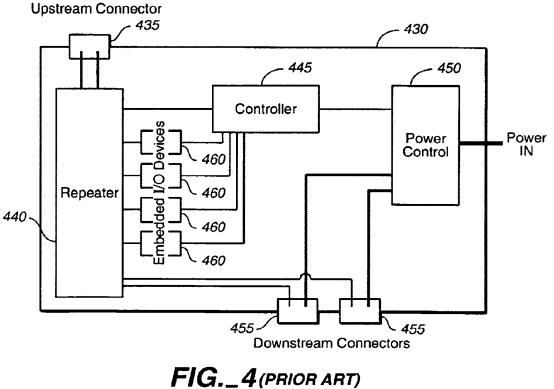
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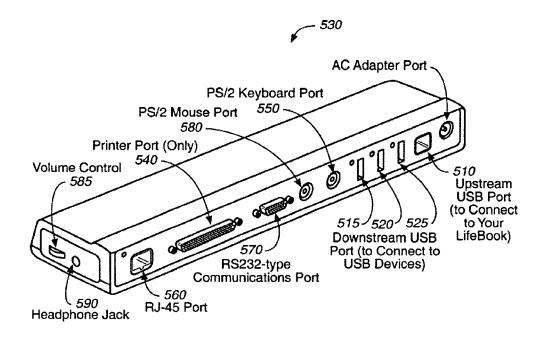


FIG._5A (PRIOR ART)

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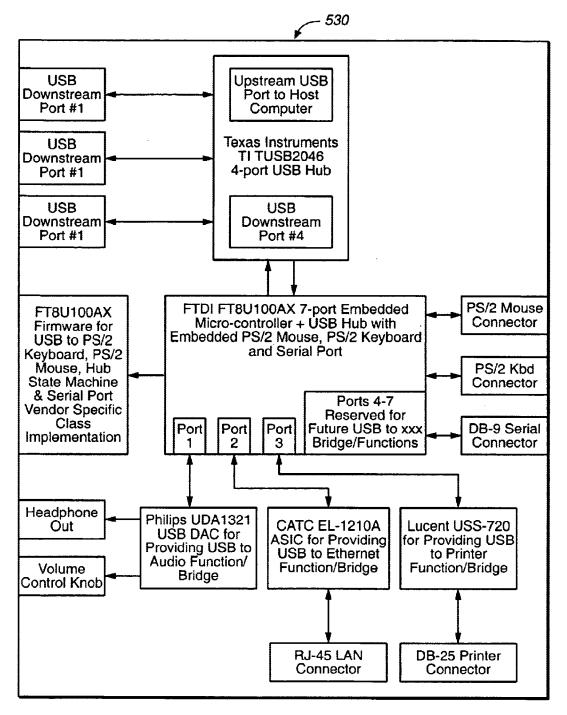


FIG._5B (PRIOR ART)

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