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Sundaram et al.

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

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(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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Primary Examiner—Jeffrey Gaffin

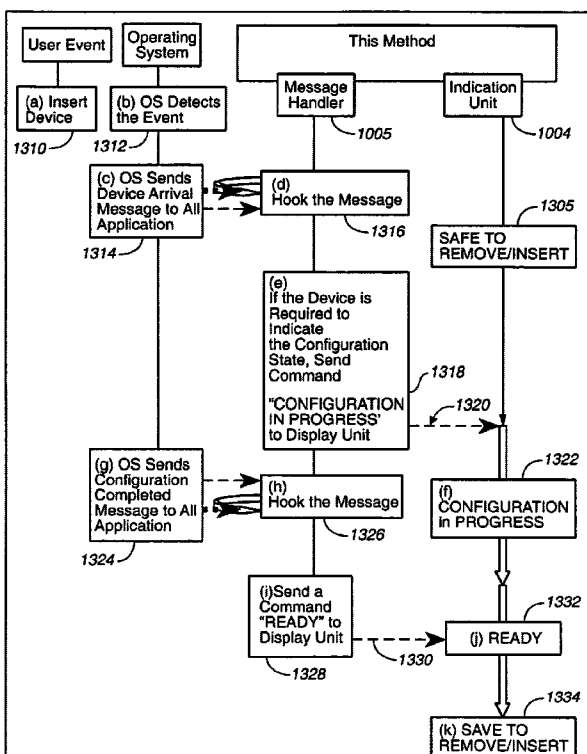
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(57) **ABSTRACT**

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



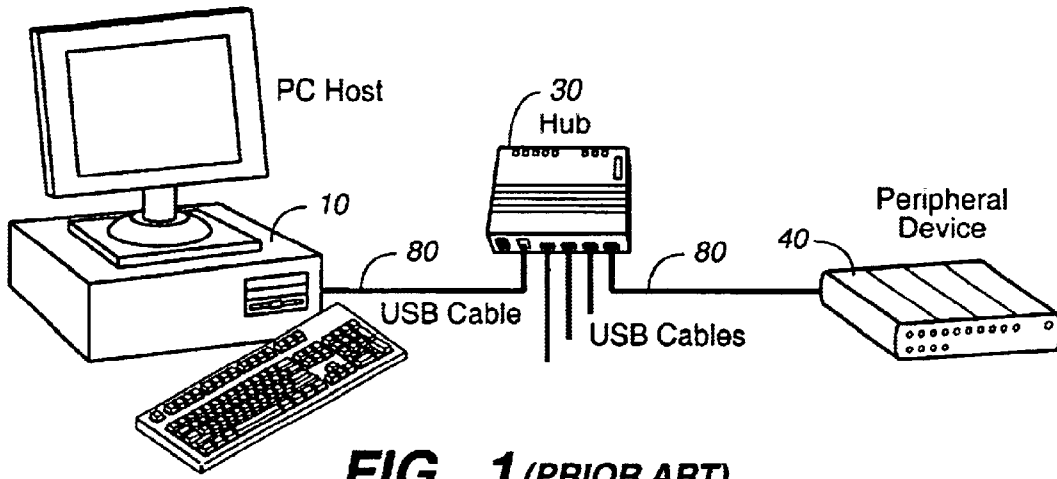


FIG._1 (PRIOR ART)

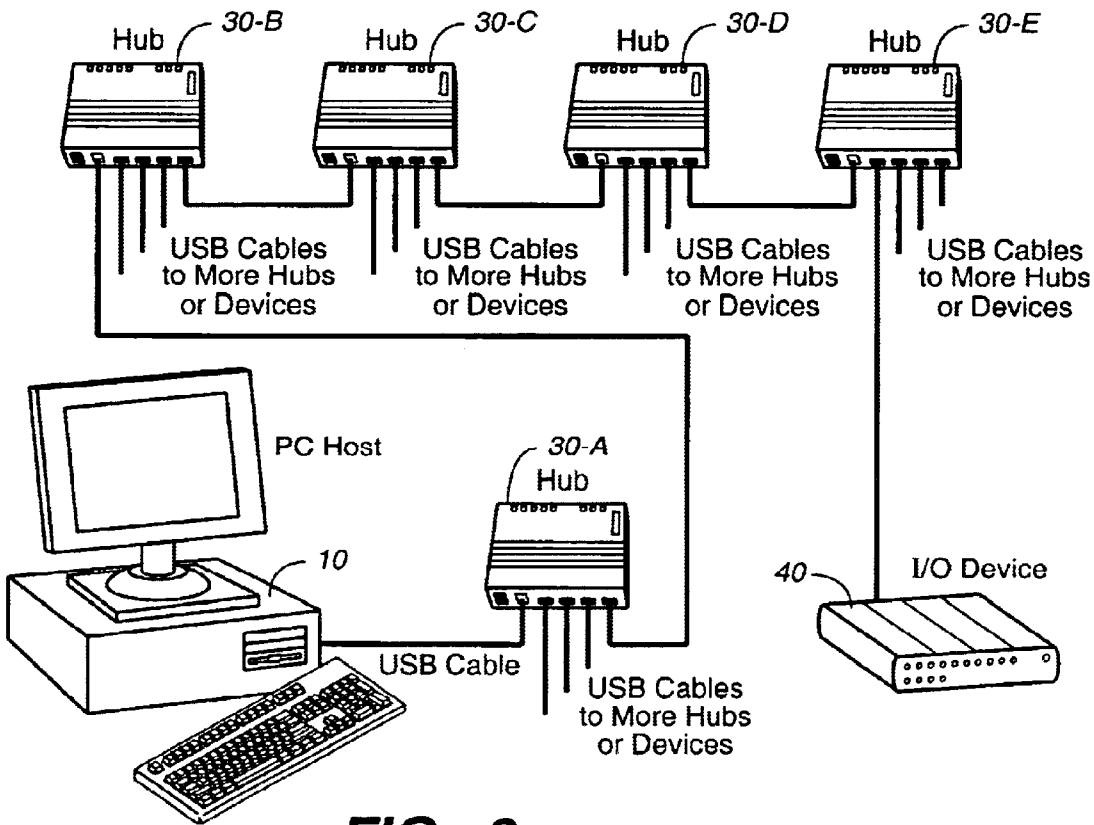


FIG._2 (PRIOR ART)

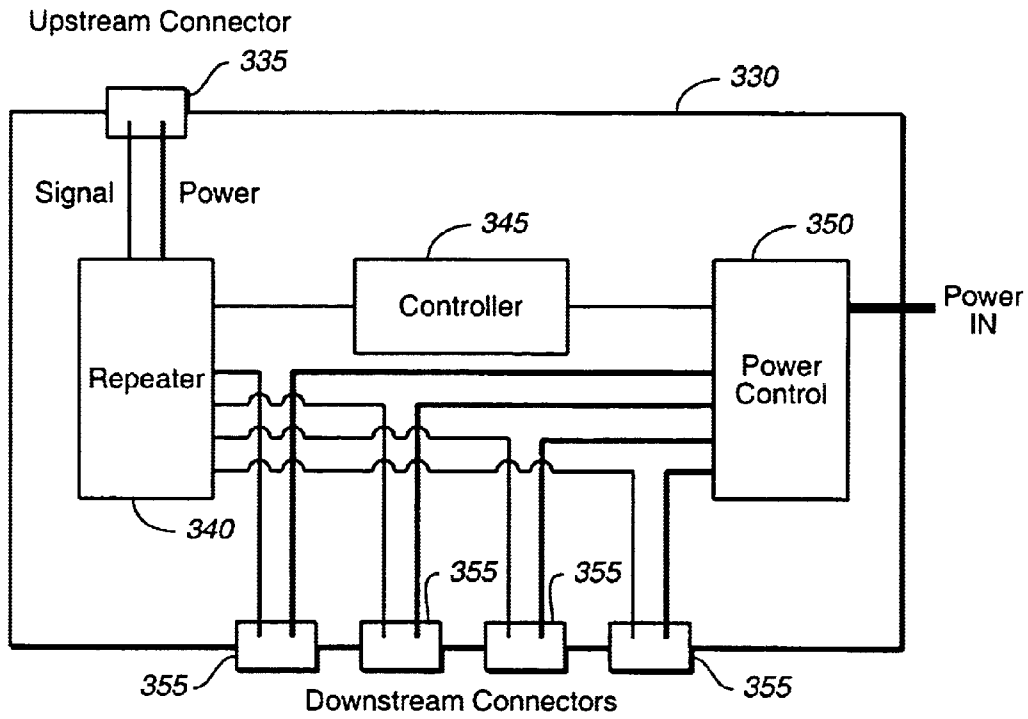


FIG. 3 (PRIOR ART)

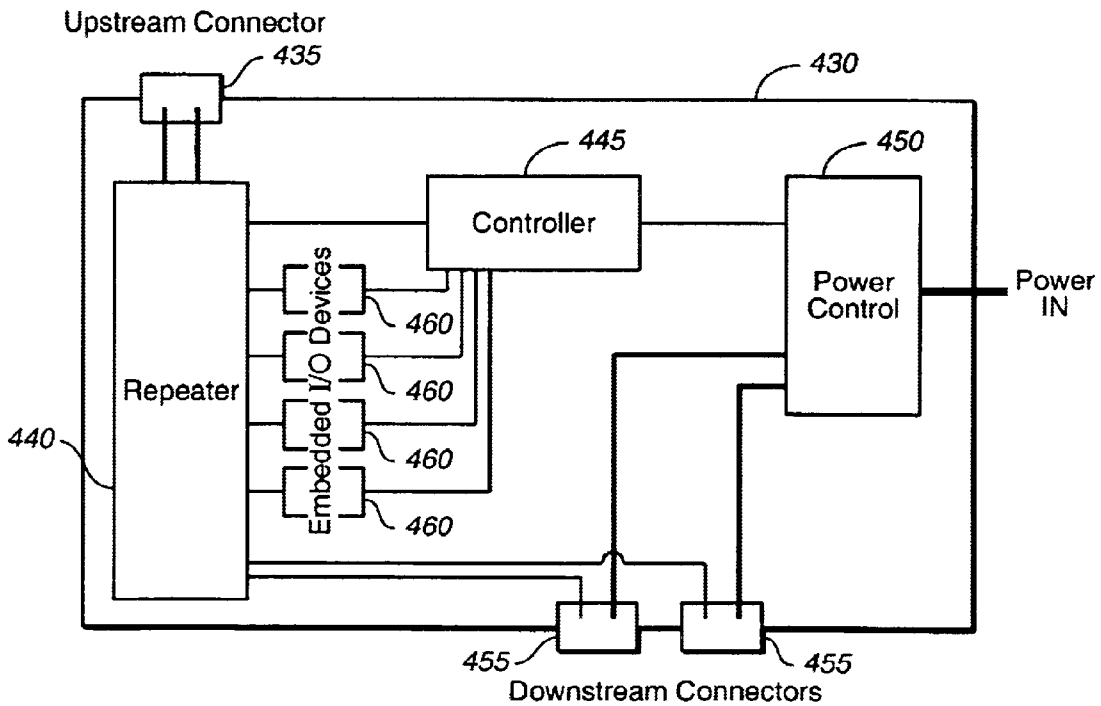


FIG. 4 (PRIOR ART)

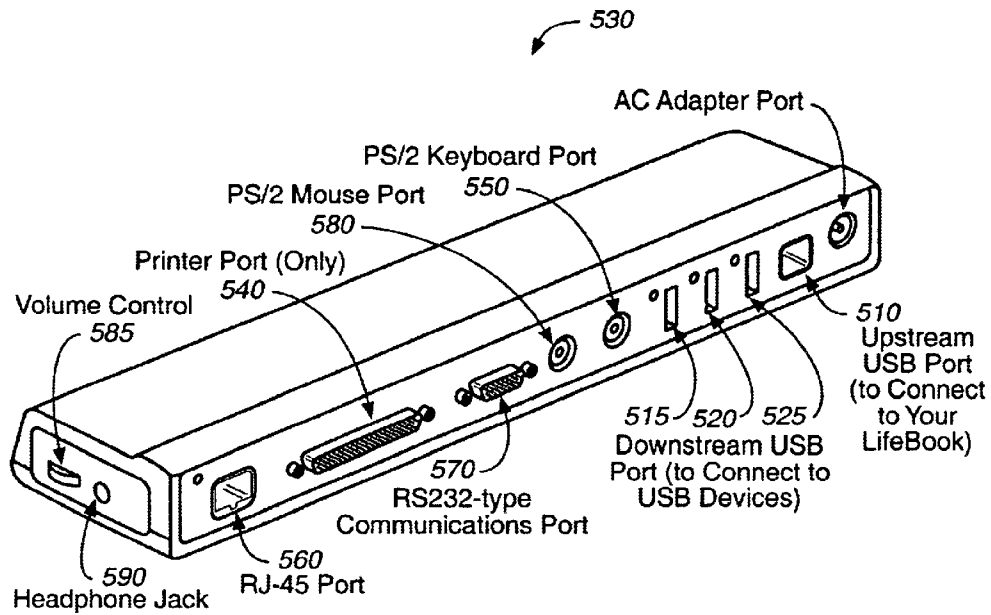


FIG. 5A (PRIOR ART)

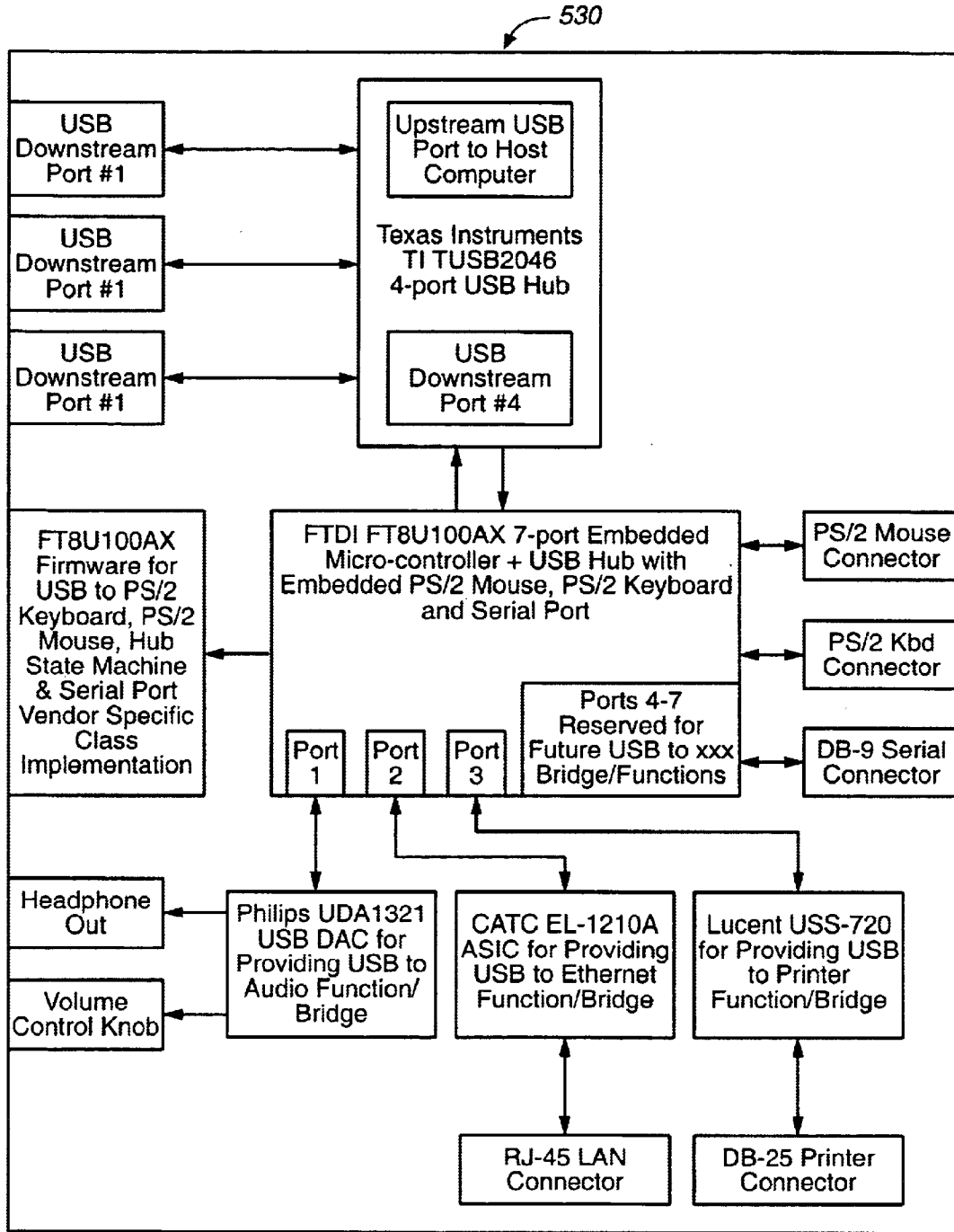


FIG. 5B (PRIOR ART)

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