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# United States Patent [19]

Stone

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## [54] AUTOMATION AND DIAL-TIME CHECKING OF SYSTEM CONFIGURATION FOR INTERNET

[75] Inventor: Jeremy Daniel Stone, Bellevue, Wash.

[73] Assignee: Microsoft Corporation, Redmond, Wash.

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[51] Int. Cl.<sup>6</sup> ..... G06F 17/00

[52] U.S. Cl. .... 395/200.5

[58] Field of Search ..... 395/200.5, 200.59,  
395/200.56, 200.34, 200.35, 186, 187.01,  
608

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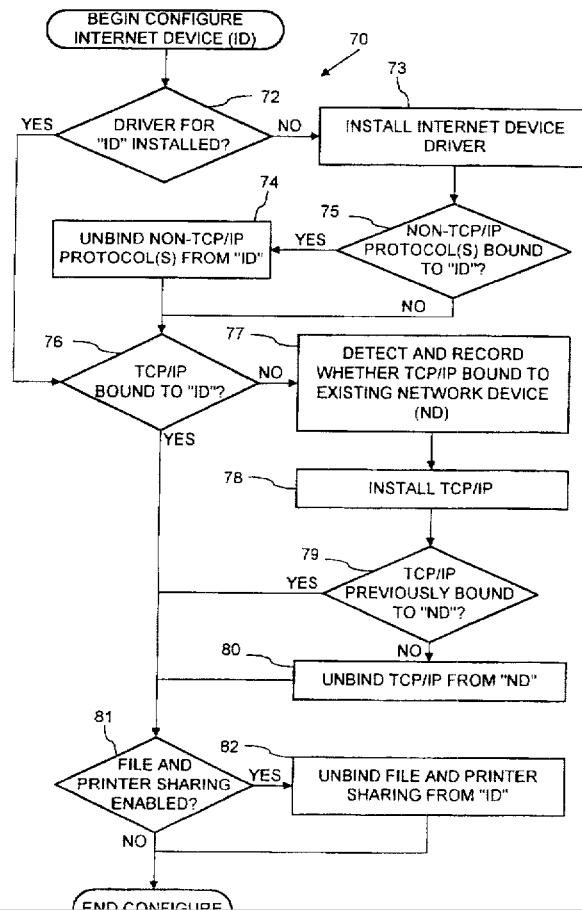
Primary Examiner—Ellis B. Ramirez

Attorney, Agent, or Firm—Klarquist Sparkman Campbell Leigh &amp; Winston

## [57] ABSTRACT

Networking software is configured for connecting to the Internet with a set-up automation software without disturbing the networking software's configuration for connecting to another computer network, such as a corporate local area network. Where installing the TCP/IP network protocol for communicating on the Internet also causes binding to a device configured for connecting to the other computer network, the set-up automation software records whether the TCP/IP network protocol was previously bound to that device and unbinds the TCP/IP network protocol from the device after installing the TCP/IP network protocol if not previously bound to the device. The set-up automation software also unbinds file and printer sharing services from a device used for connecting to the Internet. Where a dial-up device is used for connecting to the Internet, a dial-time security check and configuration check software verifies that the network software is correctly and securely configured for connecting to the Internet. The dial-time check software warns the user and corrects the configuration if the configuration is incorrect or insecure.

22 Claims, 11 Drawing Sheets



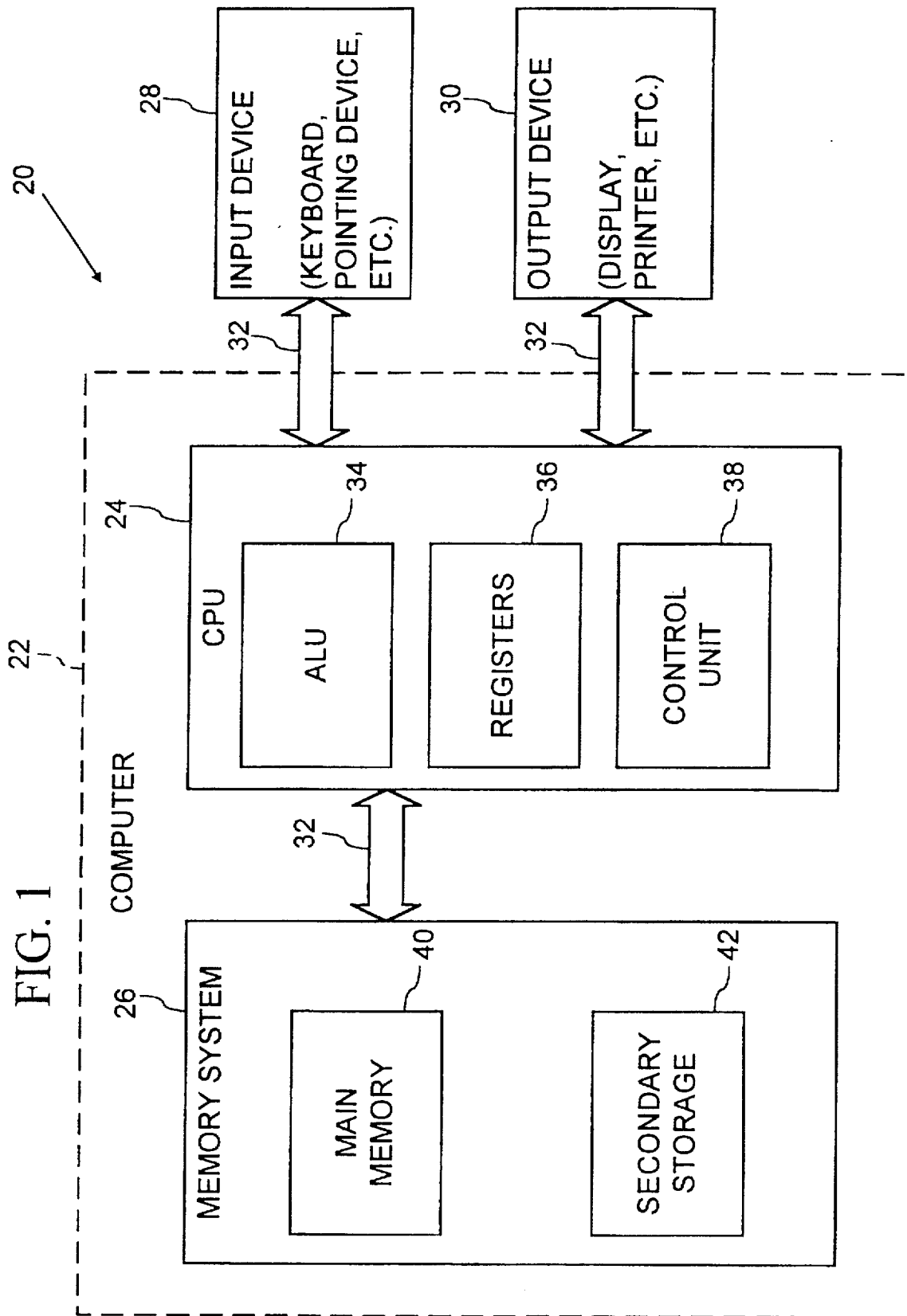


FIG. 2

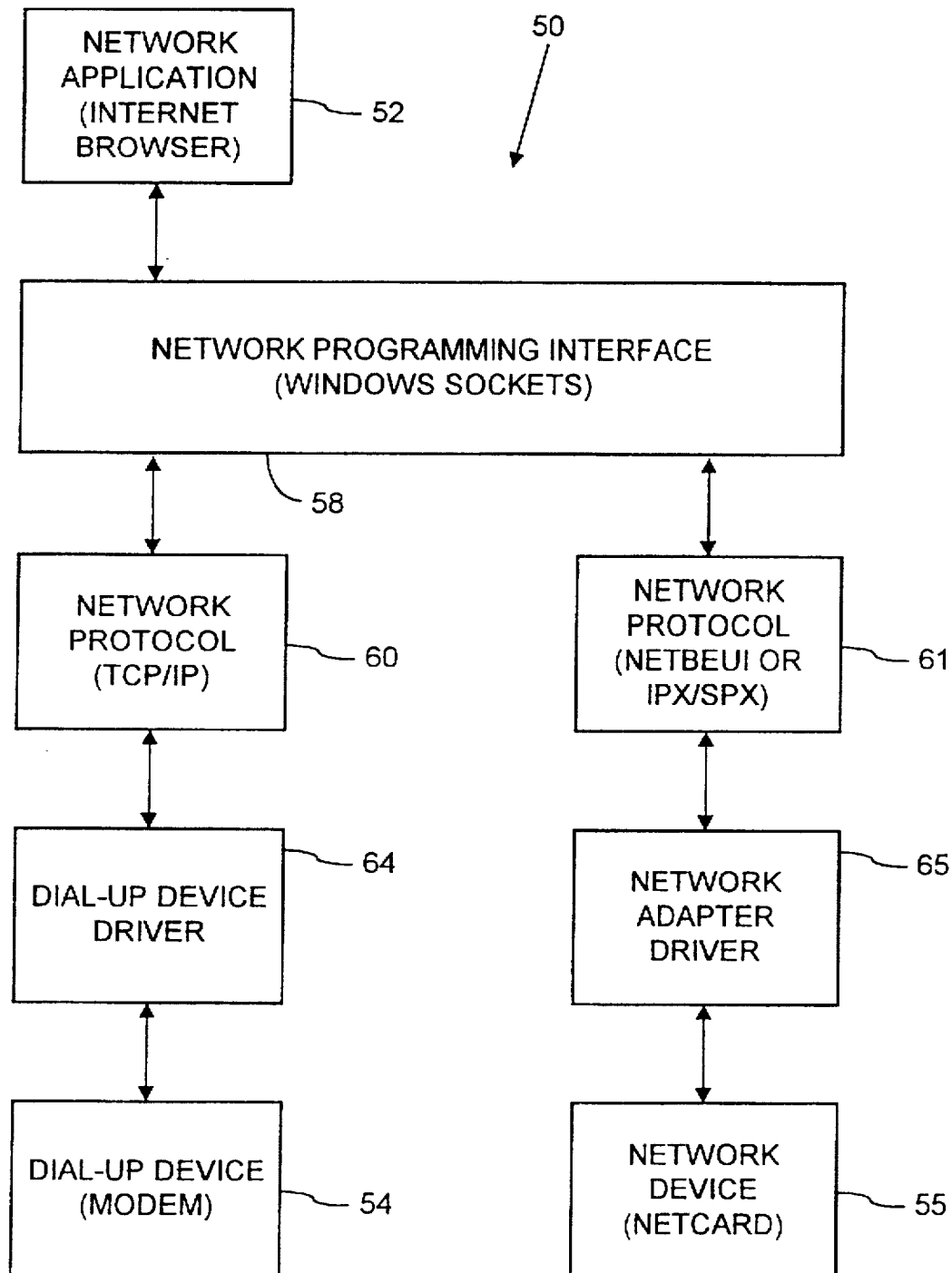
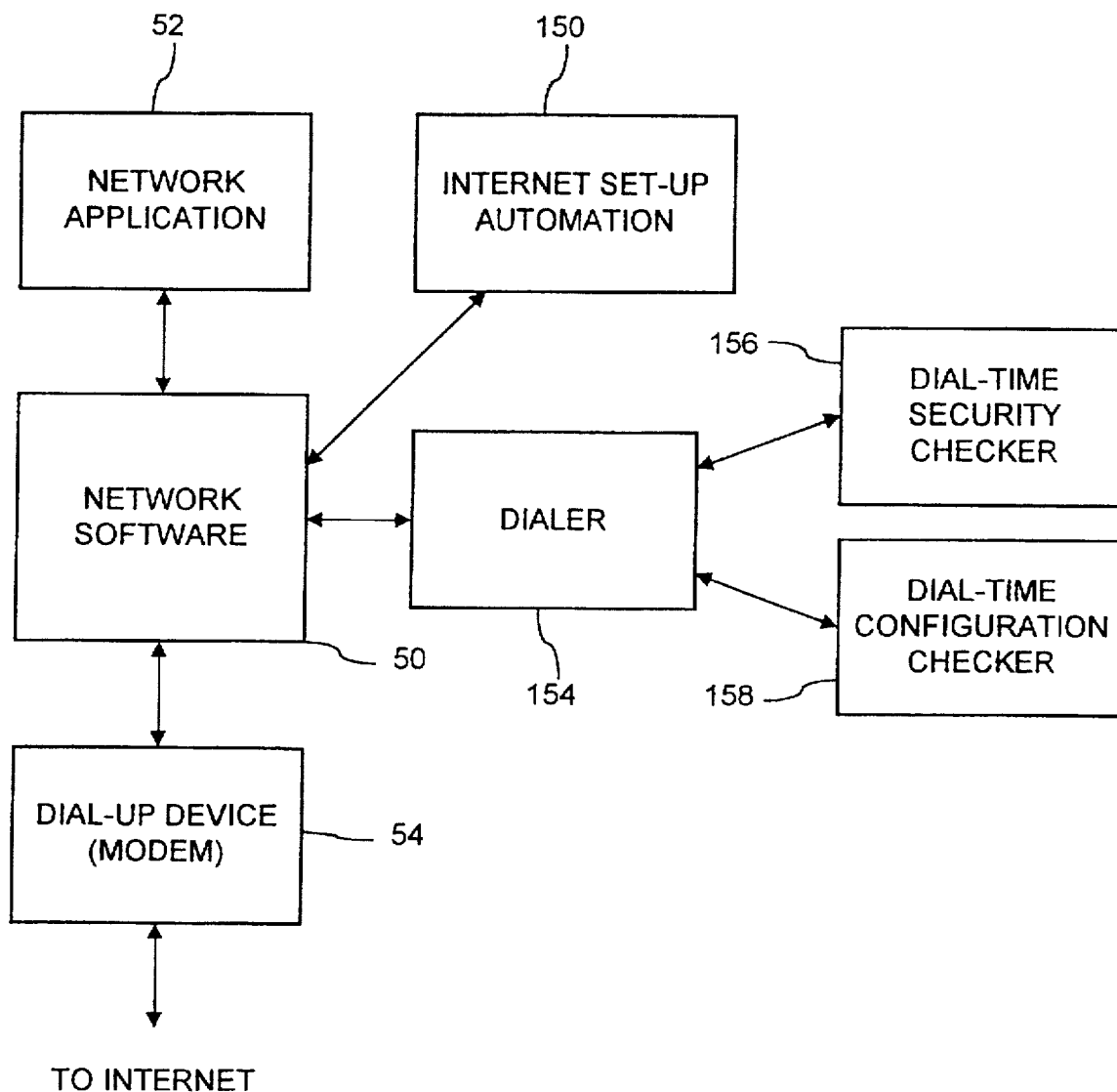
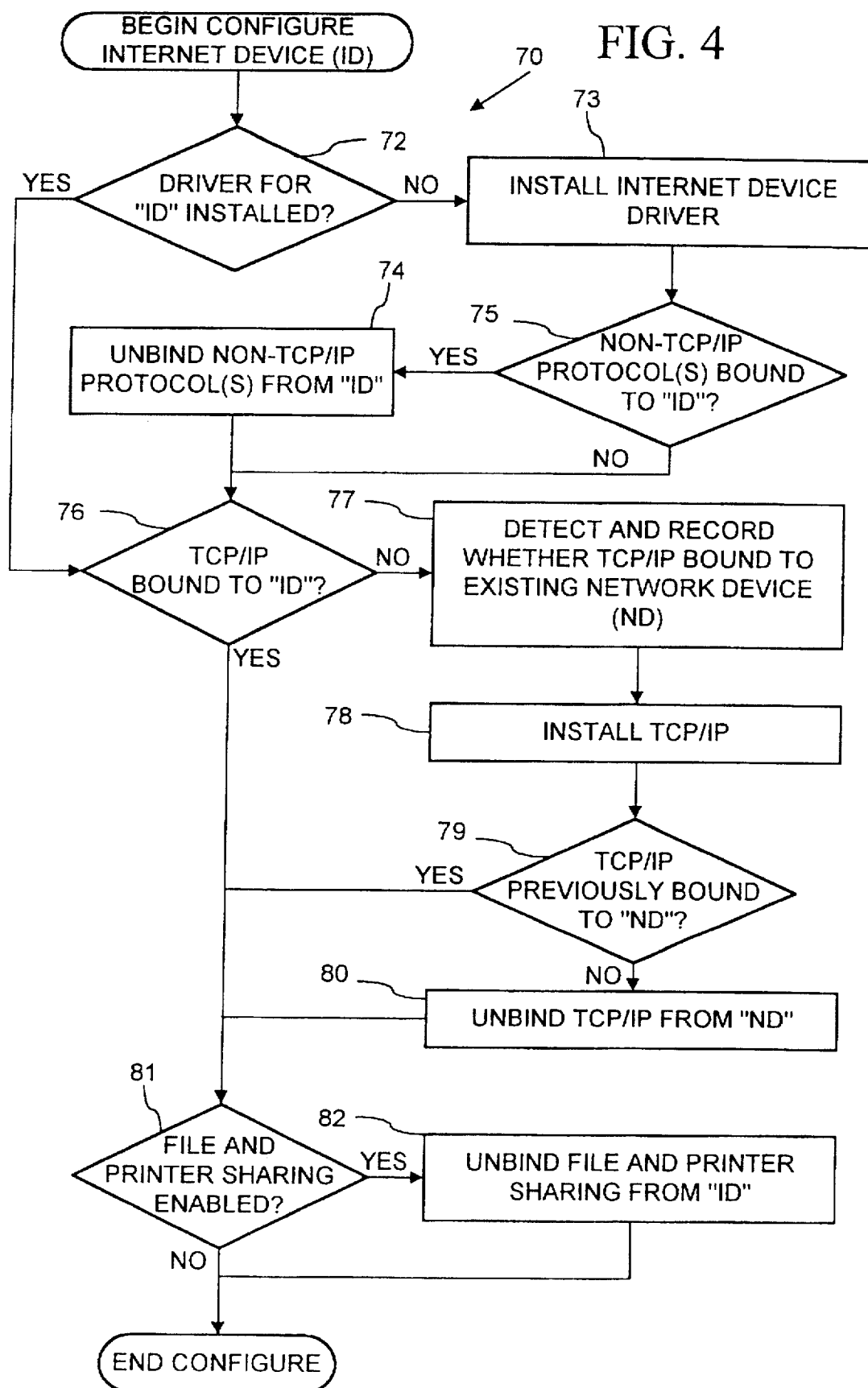


FIG. 3







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