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United States Patent [19]

Pitt et al.

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[54] **SEQUENTIAL COMPUTER NETWORK SHUTDOWN SYSTEM AND PROCESS THEREFOR**

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[73] Assignee: **Deltec Electronics Corporation**, San Diego, Calif.

[21] Appl. No.: **330,697**

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[51] **Int. Cl.**[6] **G06F 1/30**; G06F 13/10

[52] **U.S. Cl.** **395/750**; 395/182.22; 395/651

[58] **Field of Search** 395/750, 182.22, 395/650; 364/707

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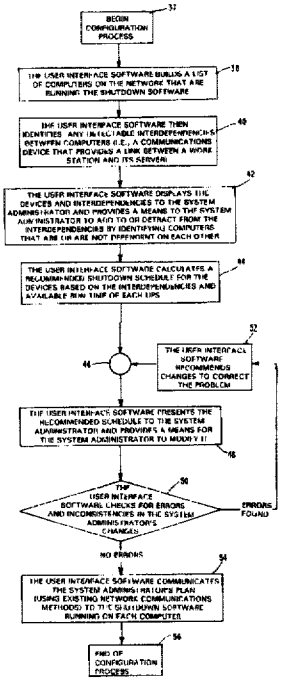
[57] **ABSTRACT**

A user configurable, rule based sequencing of the shutdown of individual devices or the entire computer network is forwarded to a collection of software programmed microprocessors operating on the network. Every required device of the system is provided with shutdown software and a conventional UPS (known variously as an uninterruptable power supply, uninterruptable power system, uninterrupted power supply, and uninterrupted power system). A user interface program is used by a system administrator to configure the operation of the shutdown software. In the preferred embodiment, the network system includes, at a minimum, a file server coupled to a storage device containing a database, a database server, and at least one database work station, such as used for accounting purposes. Shutdown software and a UPS are coupled or otherwise associated with each of the file server, the database server, the work station and, when used, the network communication device. The user interface program establishes the configuration process. The shutdown software establishes the shutdown process. The configuration process is installed to configure the system and to establish rules or a system administrator's plan. The software validates the rules for error and inconsistencies, such as may have been made by the administrator. If there are any errors and inconsistencies, the system administrator is so advised and corrections are recommended. If there are no errors or inconsistencies, the user interface program or software is permitted to communicate the system administrator's plan to all shutdown software running on the individual devices. The shutdown process follows the rules in the configuration process.

13 Claims, 4 Drawing Sheets

Microfiche Appendix Included
(1544 Microfiche, 16 Pages)



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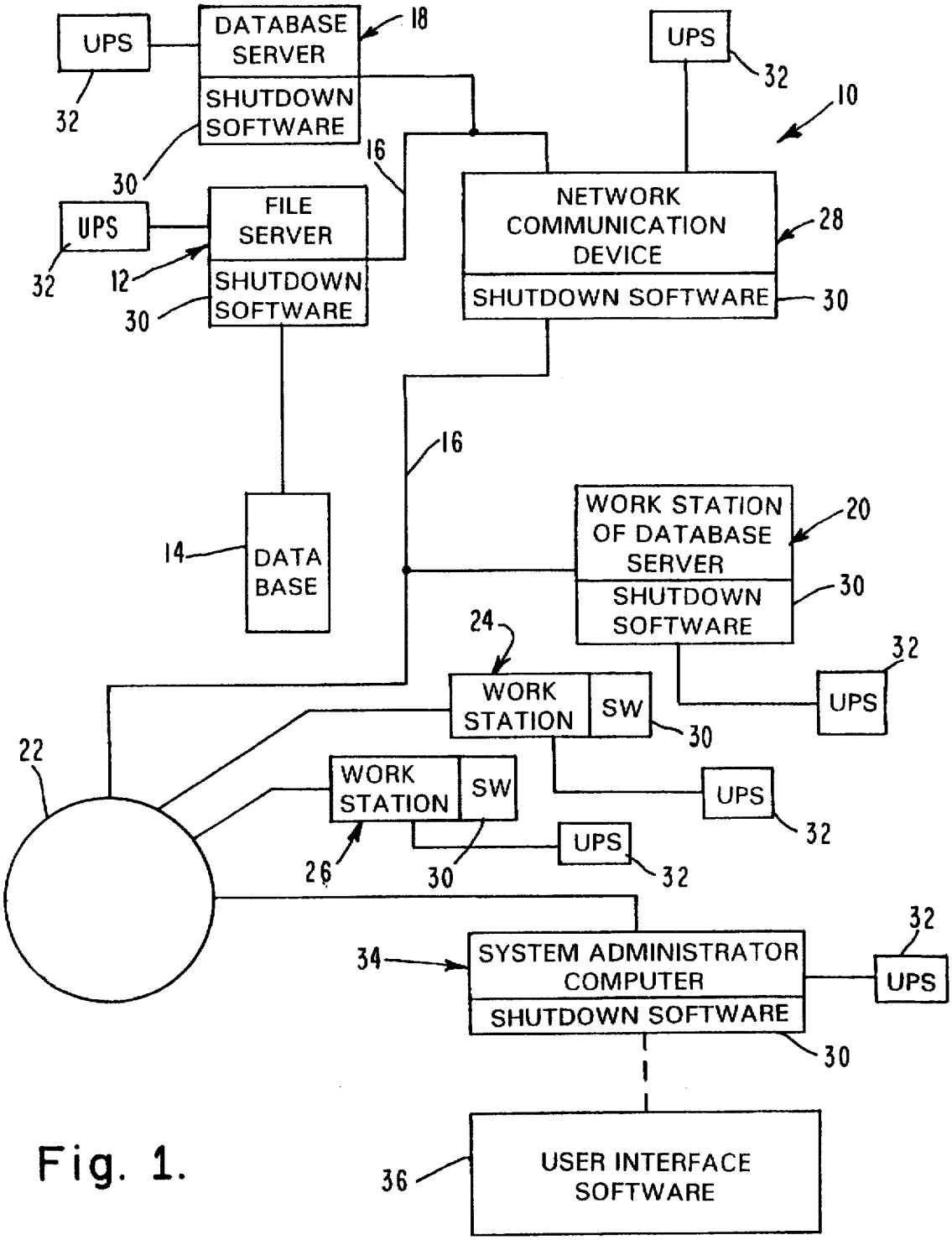

Fig. 1.

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Fig. 2a.

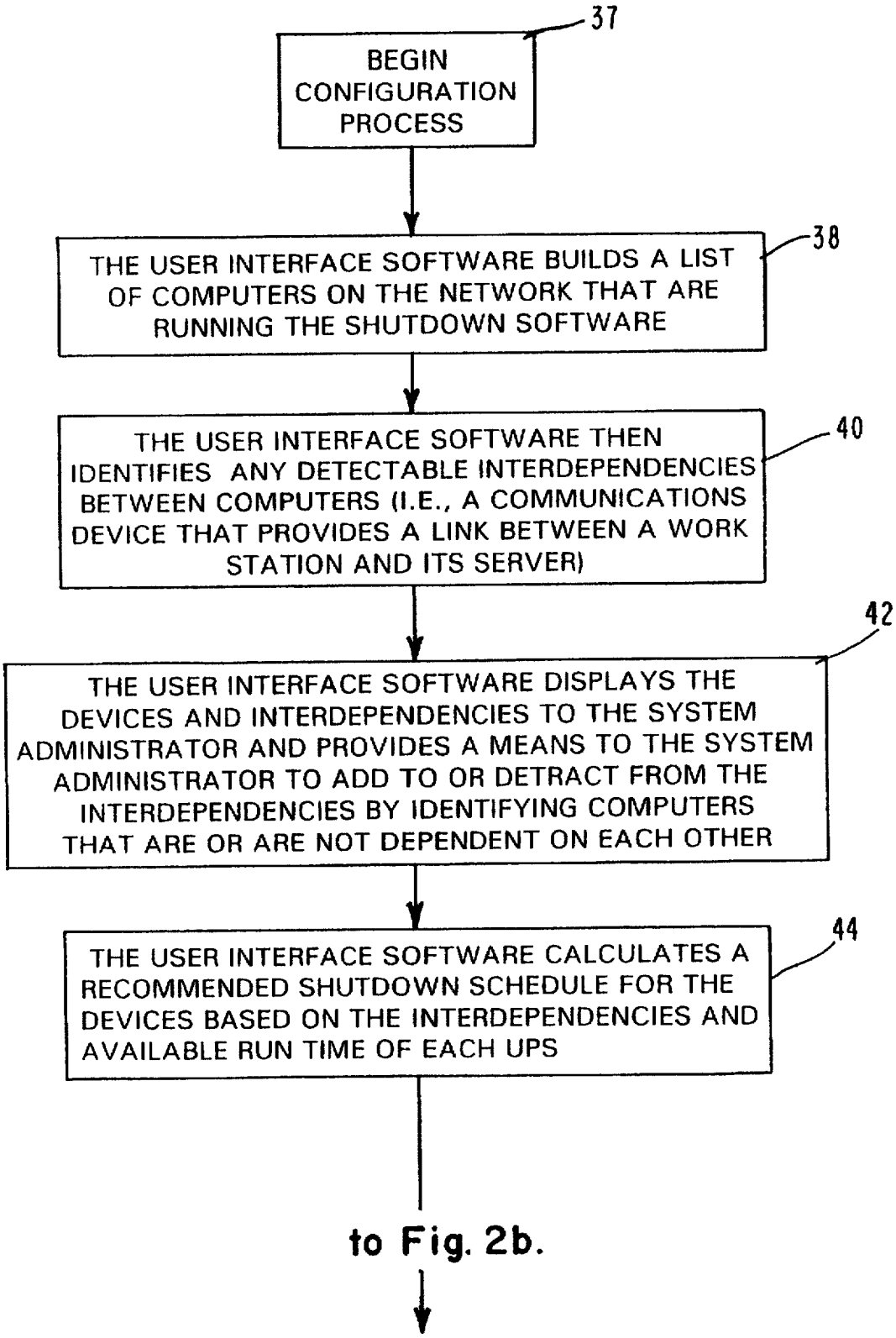

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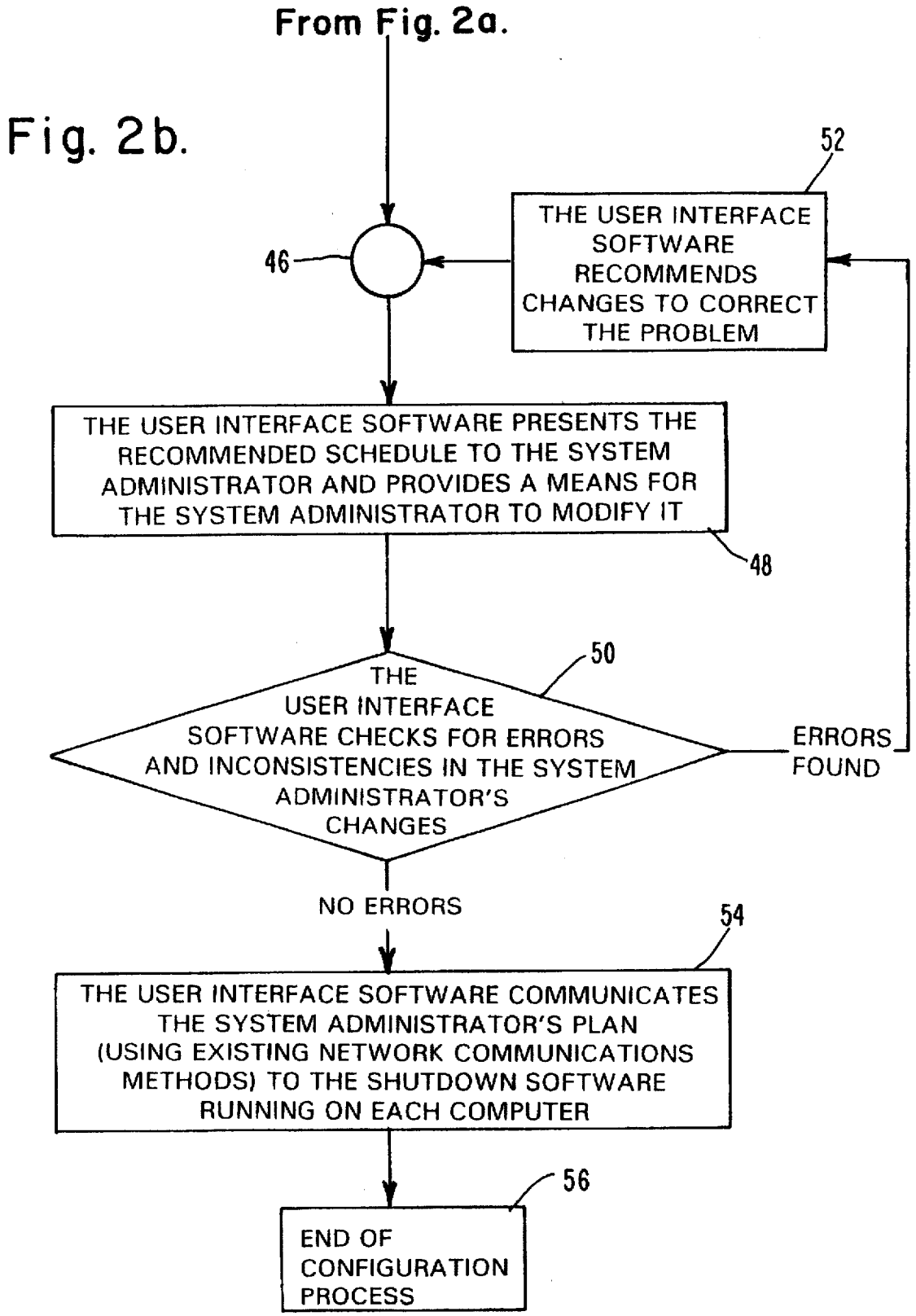
Fig. 2b.



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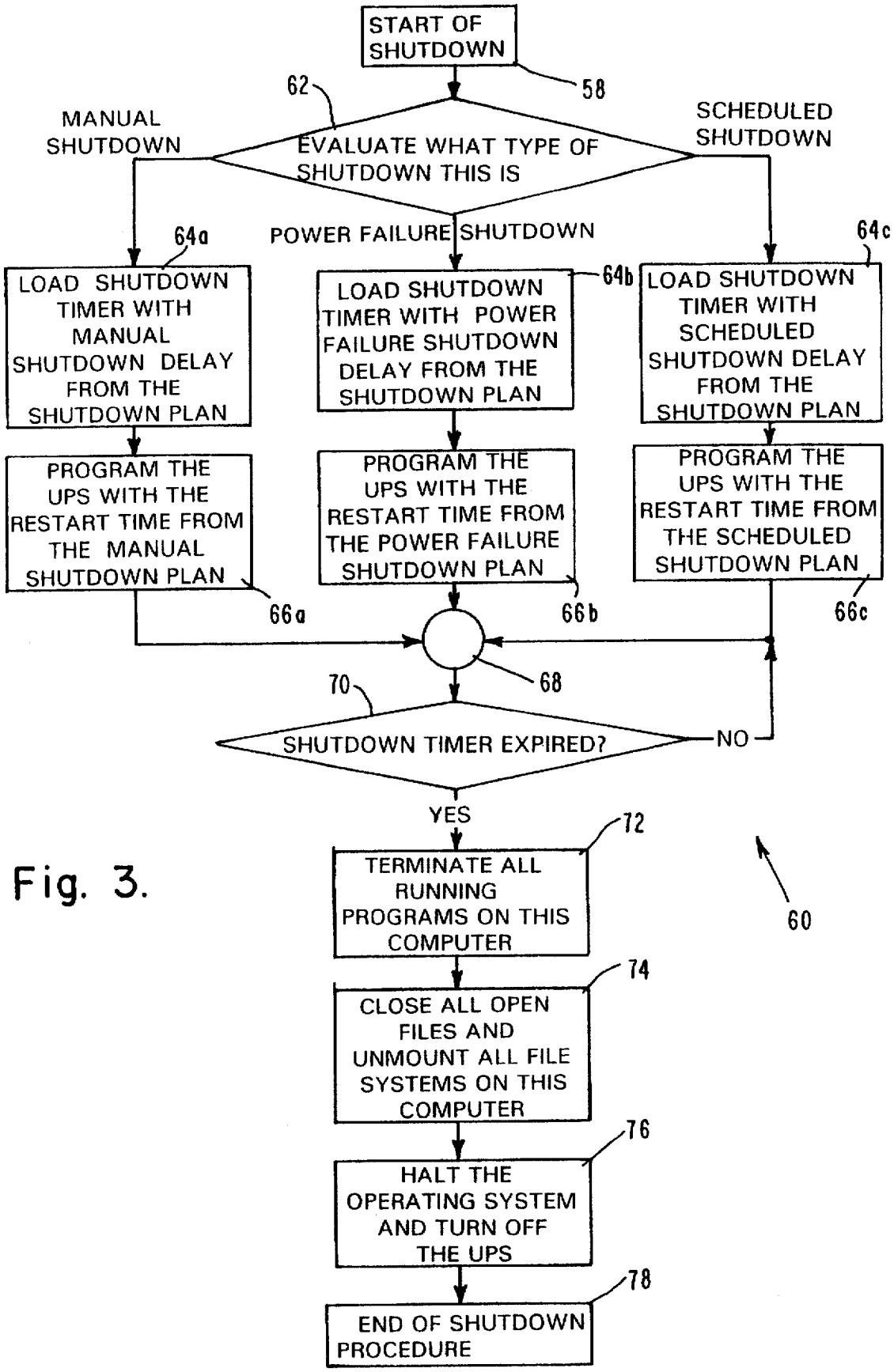

Fig. 3.

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