United States Patent [19]

Pershan

[11] Patent Number: **5,260,986**

[45] Date of Patent: **Nov. 9, 1993**

[54] **GROUP NOTIFICATION SERVICE AND SYSTEM**

[75] Inventor: **Barry Pershan**, Olney

[73] Assignee: **Bell Atlantic Network Services, Inc.**, Arlington, Va.

[21] Appl. No.: **689,433**

[22] Filed: **Apr. 23, 1991**

[51] Int. Cl.⁵ **H04M 11/00; H04M 3/38; H04M 3/50**

[52] U.S. Cl. **379/57; 379/67; 379/88; 379/89**

[58] Field of Search 379/58, 57, 67, 88, 379/89, 91, 144; 340/825.5, 825.51

[56] **References Cited**

U.S. PATENT DOCUMENTS

3,761,632	9/1973	Colman .	
4,371,751	2/1983	Hilligoss, Jr. .	
4,371,752	2/1983	Matthews et al. .	
4,446,336	5/1984	Bethel et al. .	
4,581,486	4/1986	Matthews et al. .	
4,602,129	7/1986	Mathews et al.	379/88
4,625,081	11/1986	Lotito et al. .	
4,761,807	8/1988	Matthews et al. .	
4,833,701	5/1989	Comroe et al.	455/33.2
4,860,341	8/1989	D'Avello et al.	379/91
4,899,358	2/1990	Blakley	379/88
4,926,460	5/1990	Gutman et al.	379/57
4,961,216	10/1990	Baehr et al.	379/67
4,965,821	10/1990	Bishop et al.	379/60
5,058,151	10/1991	Tanaka et al.	379/67 X

OTHER PUBLICATIONS
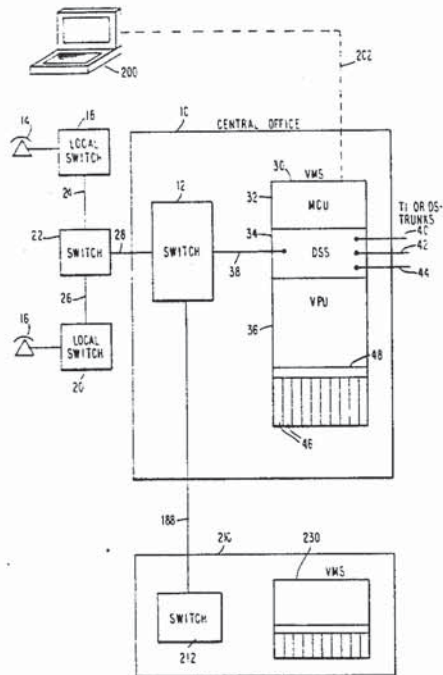
Community Alert Network Publication entitled "A Teams Concept –Timely Meregency Alerting Means Safety".

Primary Examiner—Curtis Kuntz
Assistant Examiner—George J. Oehling
Attorney, Agent, or Firm—Lowe, Price, LeBlanc & Becker

[57] **ABSTRACT**

Disclosed is a method of utilizing a public switched telecommunications network which includes a voice messaging system (VMS) to provide a reliable and flexible notification service to deliver to designated persons a message which may be prestored or created at the time of initiating the notification. The list of persons to be notified is pre-established and permits multiple telephone numbers to be used to locate a single person or an alternate person. Pagers may be simultaneously or sequentially called requesting that the desired person call in for their message. The list of persons to be notified may be changed by the system coordinator from any DTMF telephone and the telephone numbers or pager numbers assigned to persons to be notified may be changed by such persons from any DTMF telephone. Alternatively the list may be created or changed by the coordinator using a personal computer or ASCII data type device. The system automatically reports the results of a notification session to the coordinator and automatic billing is provided. The service includes establishment of redundant data bases in different geographic locales for added reliability.
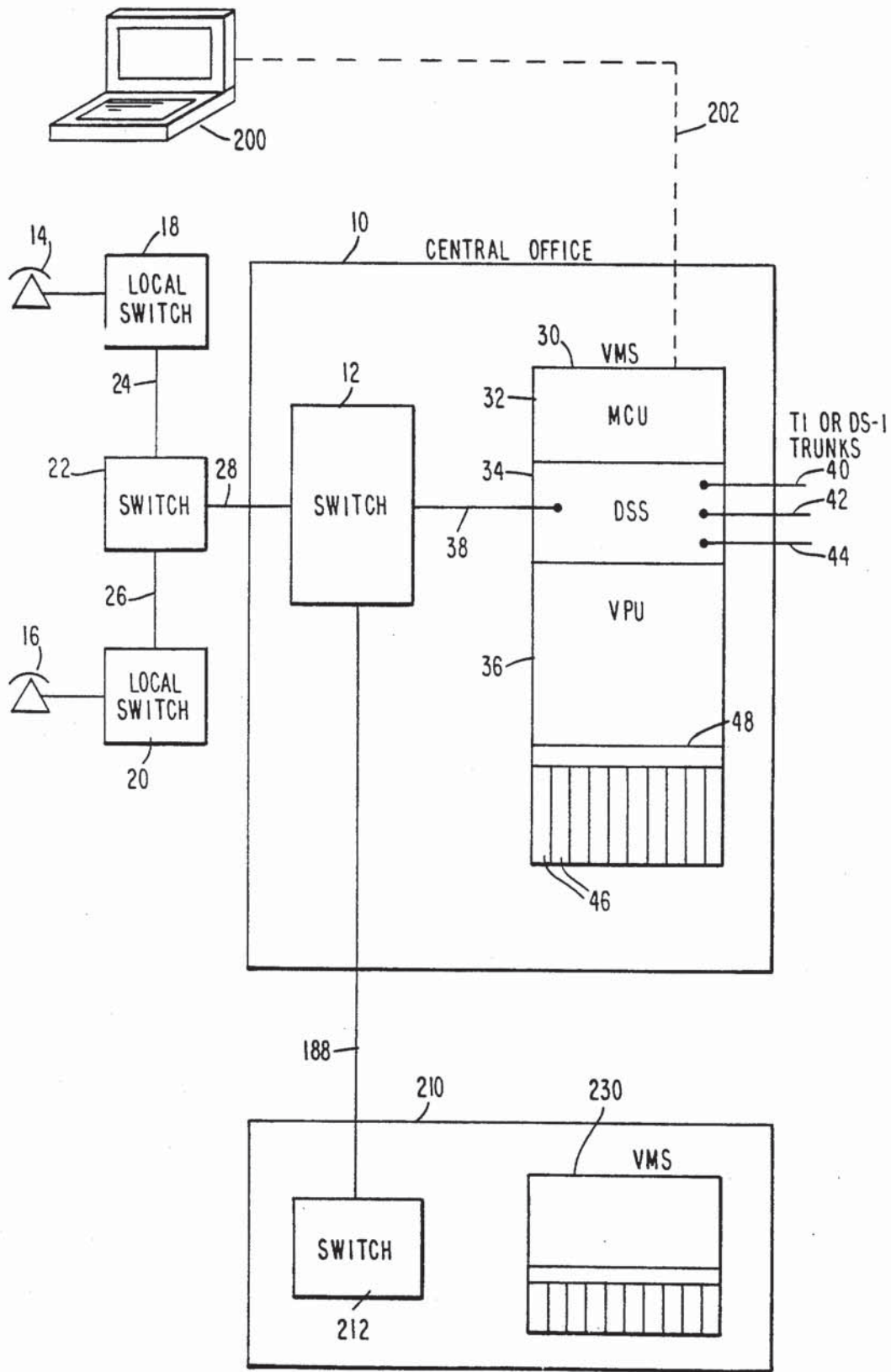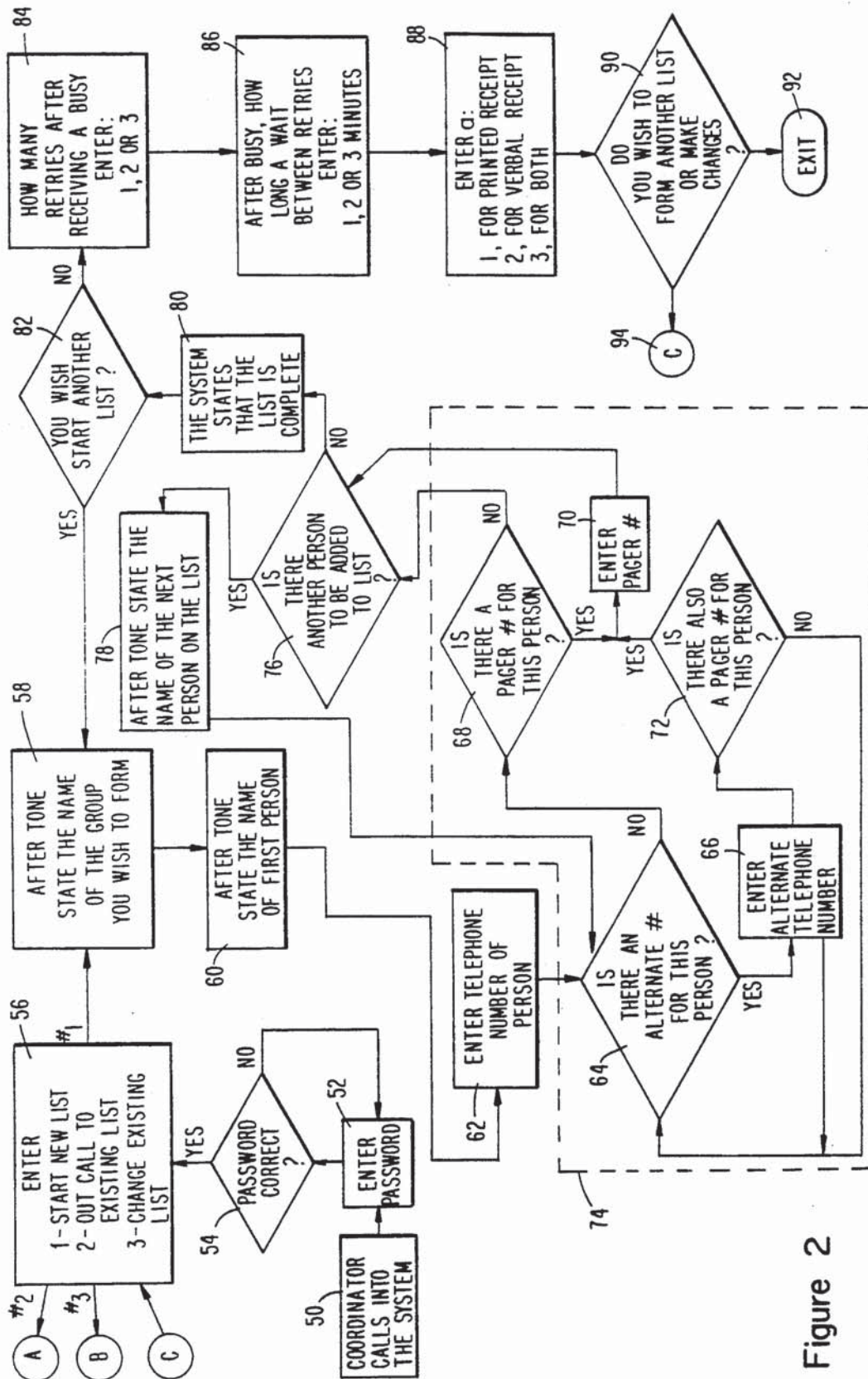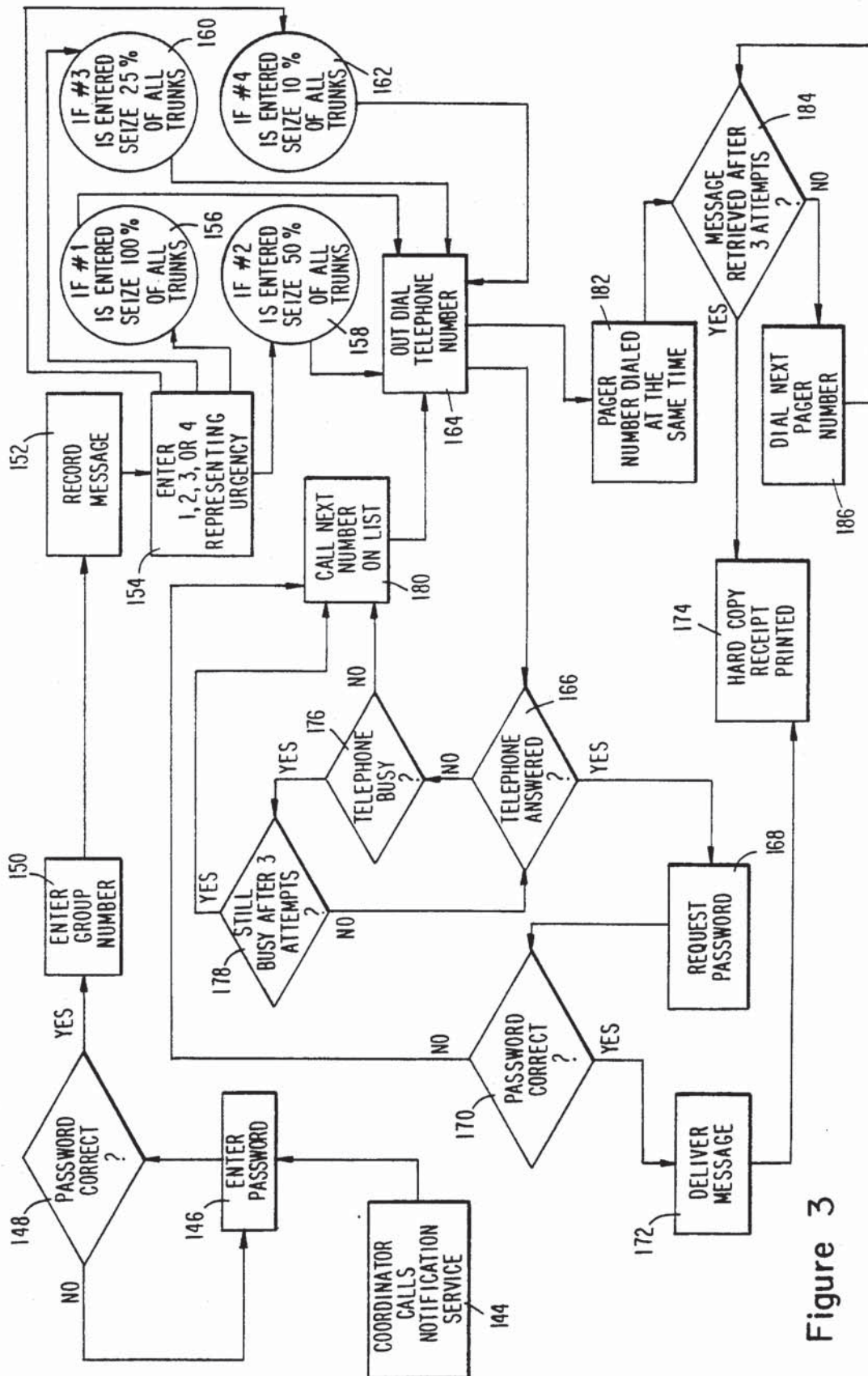
15 Claims, 5 Drawing Sheets

Figure 1

Figure 2

84 — HOW MANY RETRIES AFTER RECEIVING A BUSY ENTER: 1, 2 OR 3

86 — AFTER BUSY, HOW LONG A WAIT BETWEEN RETRIES ENTER: 1, 2 OR 3 MINUTES

88 — ENTER a: 1, FOR PRINTED RECEIPT 2, FOR VERBAL RECEIPT 3, FOR BOTH

90 — DO YOU WISH TO FORM ANOTHER LIST OR MAKE CHANGES ?

92 — EXIT

94 — C

82 — YOU WISH START ANOTHER LIST ?

NO

80 — THE SYSTEM STATES THAT THE LIST IS COMPLETE

YES

78 — AFTER TONE STATE THE NAME OF THE NEXT PERSON ON THE LIST

76 — IS THERE ANOTHER PERSON TO BE ADDED TO LIST ?

NO

YES

58 — AFTER TONE STATE THE NAME OF THE GROUP YOU WISH TO FORM

#1

60 — AFTER TONE STATE THE NAME OF FIRST PERSON

70 — ENTER PAGER #

68 — IS THERE A PAGER # FOR THIS PERSON ?

NO

YES

72 — IS THERE ALSO A PAGER # FOR THIS PERSON ?

YES

NO

56 — ENTER 1 - START NEW LIST 2 - OUT CALL TO EXISTING LIST 3 - CHANGE EXISTING LIST

#2

#3

A

B

C

54 — PASSWORD CORRECT ?

YES

NO

52 — ENTER PASSWORD

50 — COORDINATOR CALLS INTO THE SYSTEM

62 — ENTER TELEPHONE NUMBER OF PERSON

64 — IS THERE AN ALTERNATE # FOR THIS PERSON ?

YES

NO

66 — ENTER ALTERNATE TELEPHONE NUMBER
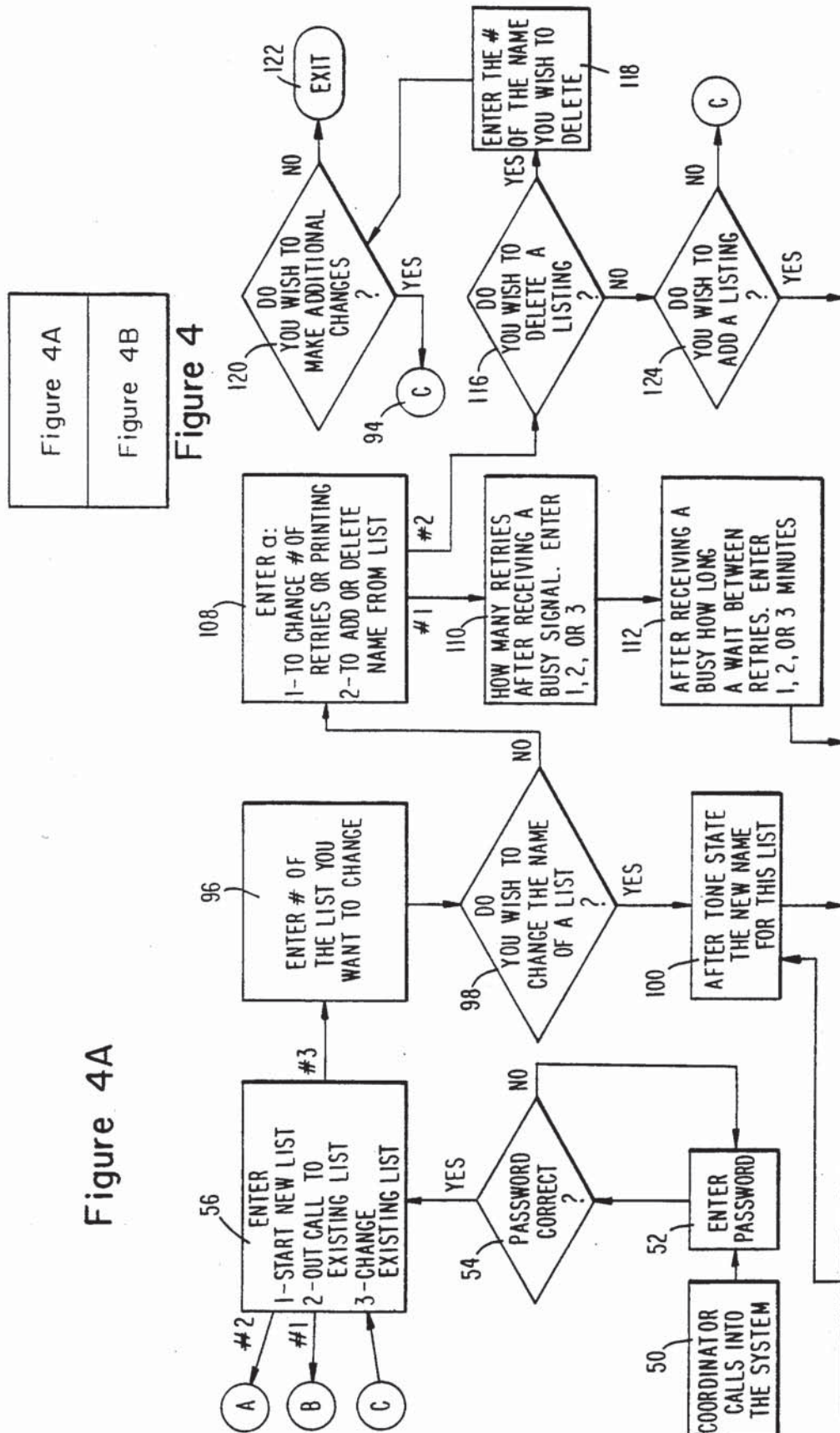
74

Figure 3

Figure 4

Figure 4A
Figure 4B

Figure 4A

DOCKET ALARM

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts

Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research

With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips

Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS
Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS
Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS
Sync your system to PACER to automate legal marketing.

fastcase®
Smarter legal research.