US005845142A

United States Patent [19]

Hayasaka

[11] Patent Number: 5,845,142

[45] Date of Patent: Dec. 1, 1998

[54] **PORTABLE TERMINAL TO CONTROL COMMUNICATION BASED ON RESIDUAL BATTERY CAPACITY**

[75] Inventor: **Hisashi Hayasaka**, Kawasaki, Japan

[73] Assignee: **Fujitsu Limited**, Kawasaki, Japan

[21] Appl. No.: **921,337**

[22] Filed: **Aug. 29, 1997**

Related U.S. Application Data

[63] Continuation of Ser. No. 613,076, Mar. 8, 1996, abandoned, which is a continuation of Ser. No. 84,473, Jul. 1, 1993, abandoned.

[30] **Foreign Application Priority Data**

Aug. 21, 1992 [JP] Japan 222587

[51] **Int. Cl.**[6] **G06F 1/26**; G06F 1/32

[52] **U.S. Cl.** **395/750.08**; 395/750.06; 364/707

[58] **Field of Search** 395/750.08, 750.06, 395/750.03; 364/707, 492

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,907,183	3/1990	Tanaka	364/707
4,949,046	8/1990	Seyfang	324/427
4,984,185	1/1991	Saito	364/707
5,167,024	11/1992	Smith et al.	395/375
5,230,074	7/1993	Canova, Jr. et al.	395/750

FOREIGN PATENT DOCUMENTS

1-188918	7/1989	Japan .
1-191913	8/1989	Japan .
2-27413	1/1990	Japan .

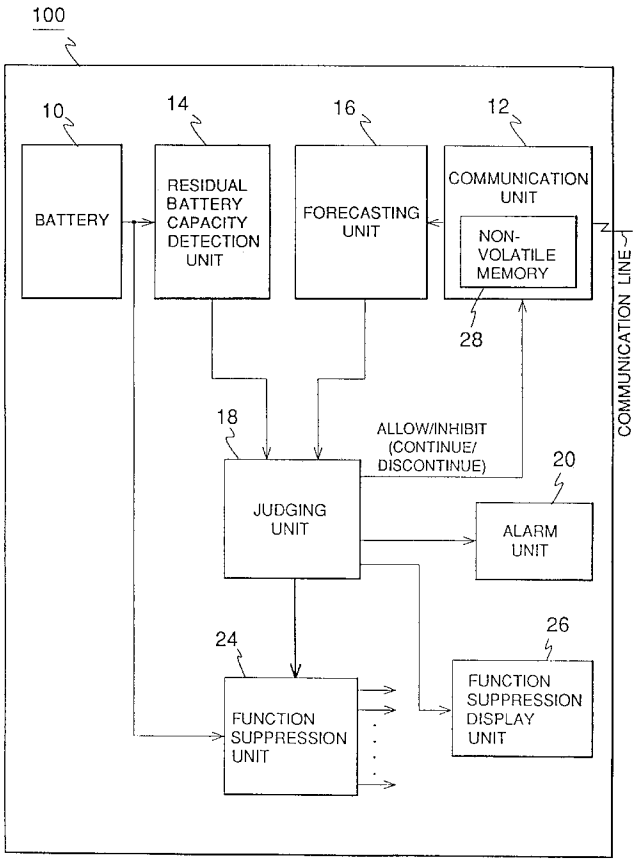
Primary Examiner—Gopal C. Ray

Attorney, Agent, or Firm—Staas & Halsey

[57] **ABSTRACT**

In data communication with power furnished from a built-in battery, the residual battery capacity is detected as power that can be currently supplied by the battery. In addition, power necessary for communication is forecast from the quantity of data for communication. The currently residual battery capacity and the necessary power for communication are compared. If the former is in excess of the latter, the communication operation is allowed, while otherwise it is inhibited. When the communication operation is inhibited, functions of parts irrelevant to communication operation are suppressed or reduced. When function suppression is done, the necessary power for communication is re-forecast for comparison from current consumed by other parts than those functions suppressed or reduced.

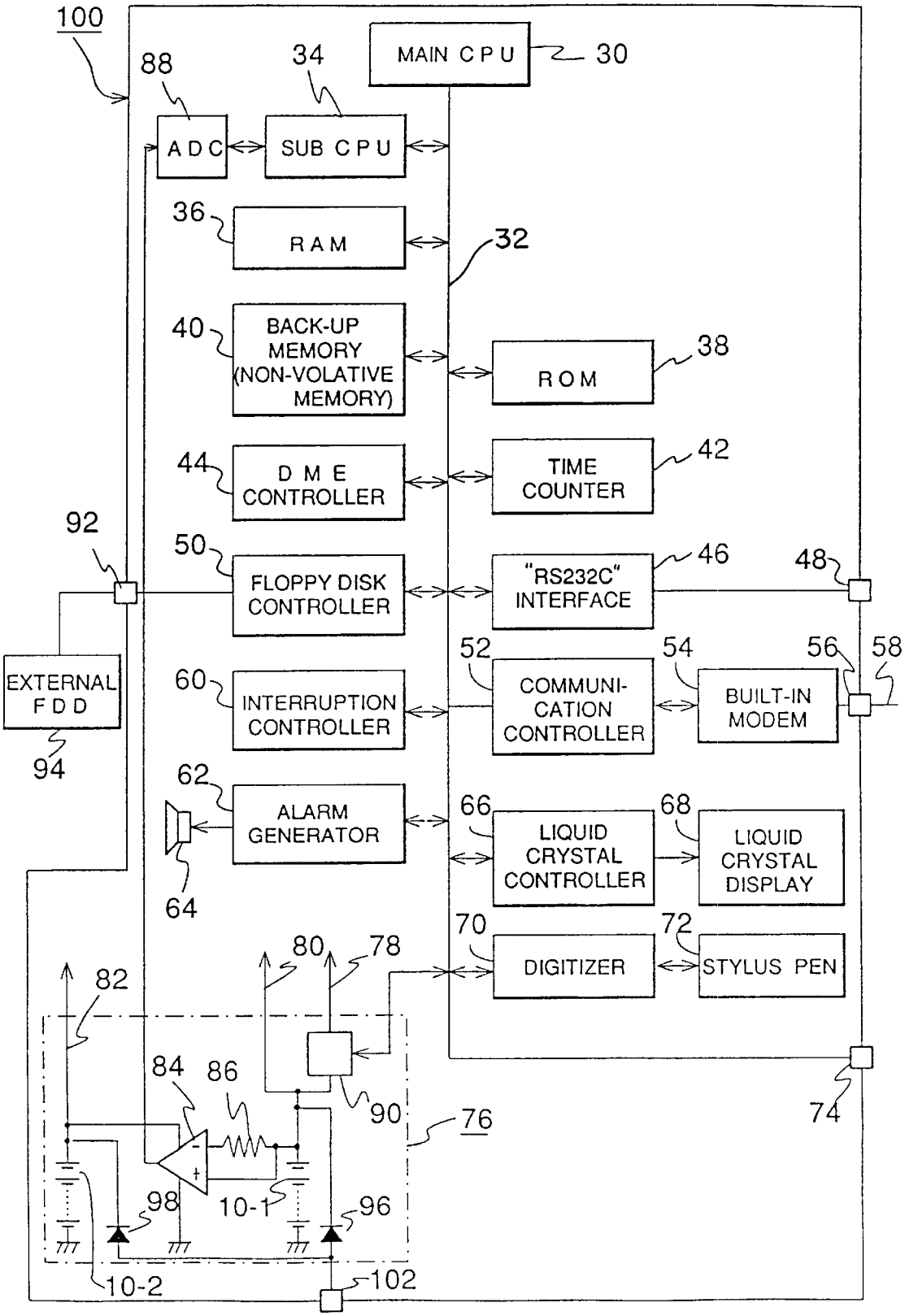
14 Claims, 5 Drawing Sheets



DOCKET ALARM

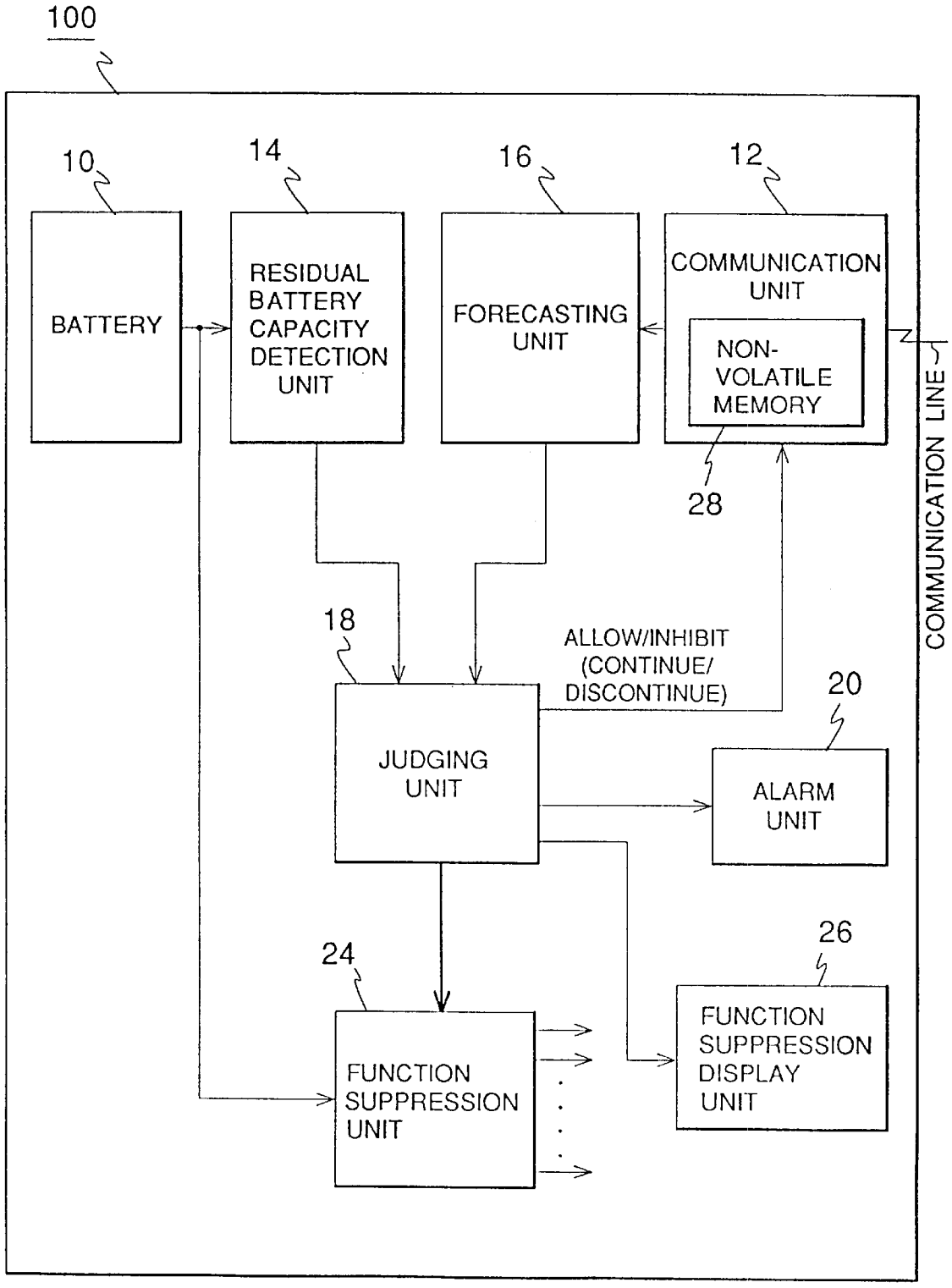
Find authenticated court documents without watermarks at docketalarm.com.

FIG. 1



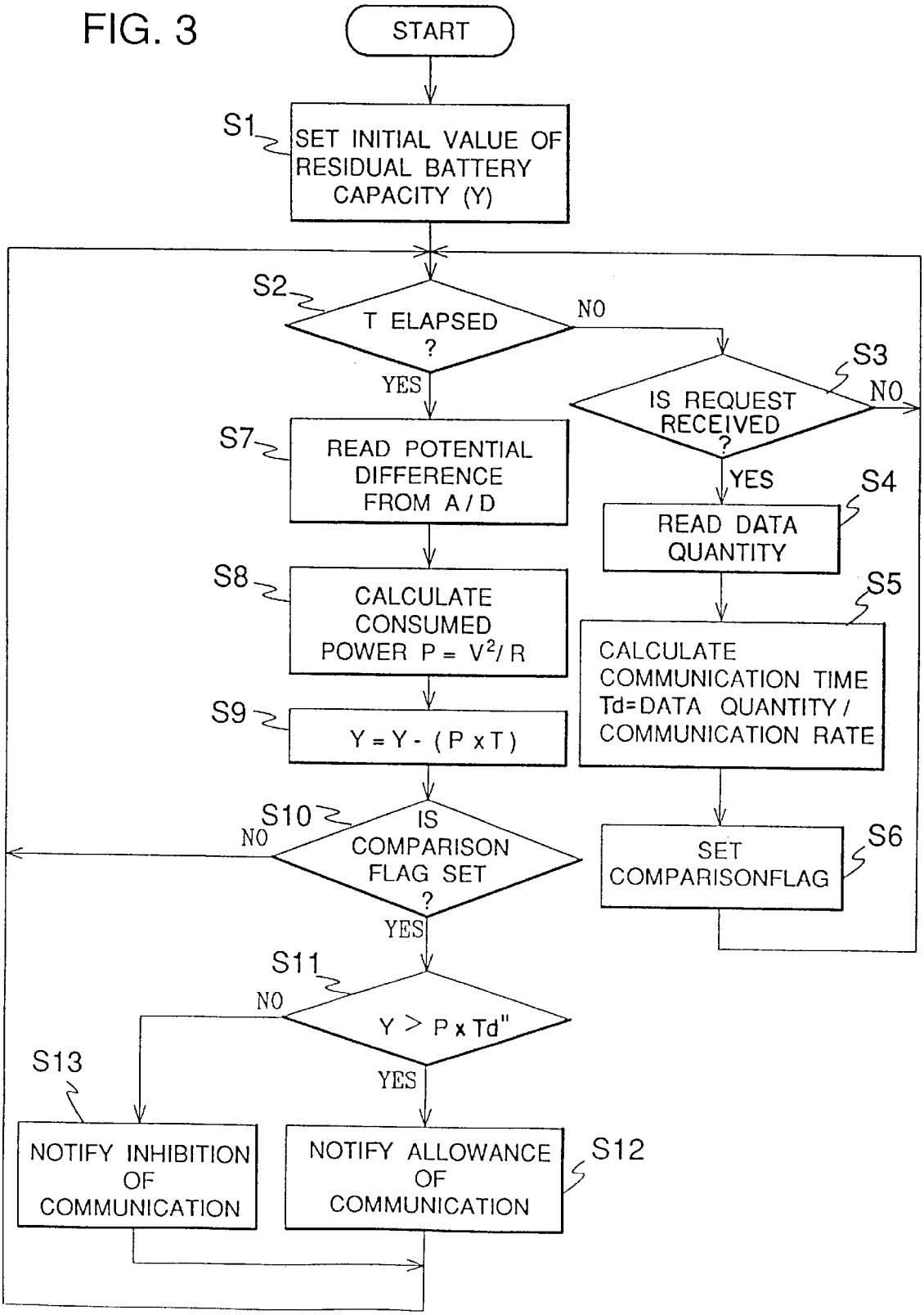
DOCKET ALARM
Find authenticated court documents without watermarks at docketalarm.com.

FIG. 2



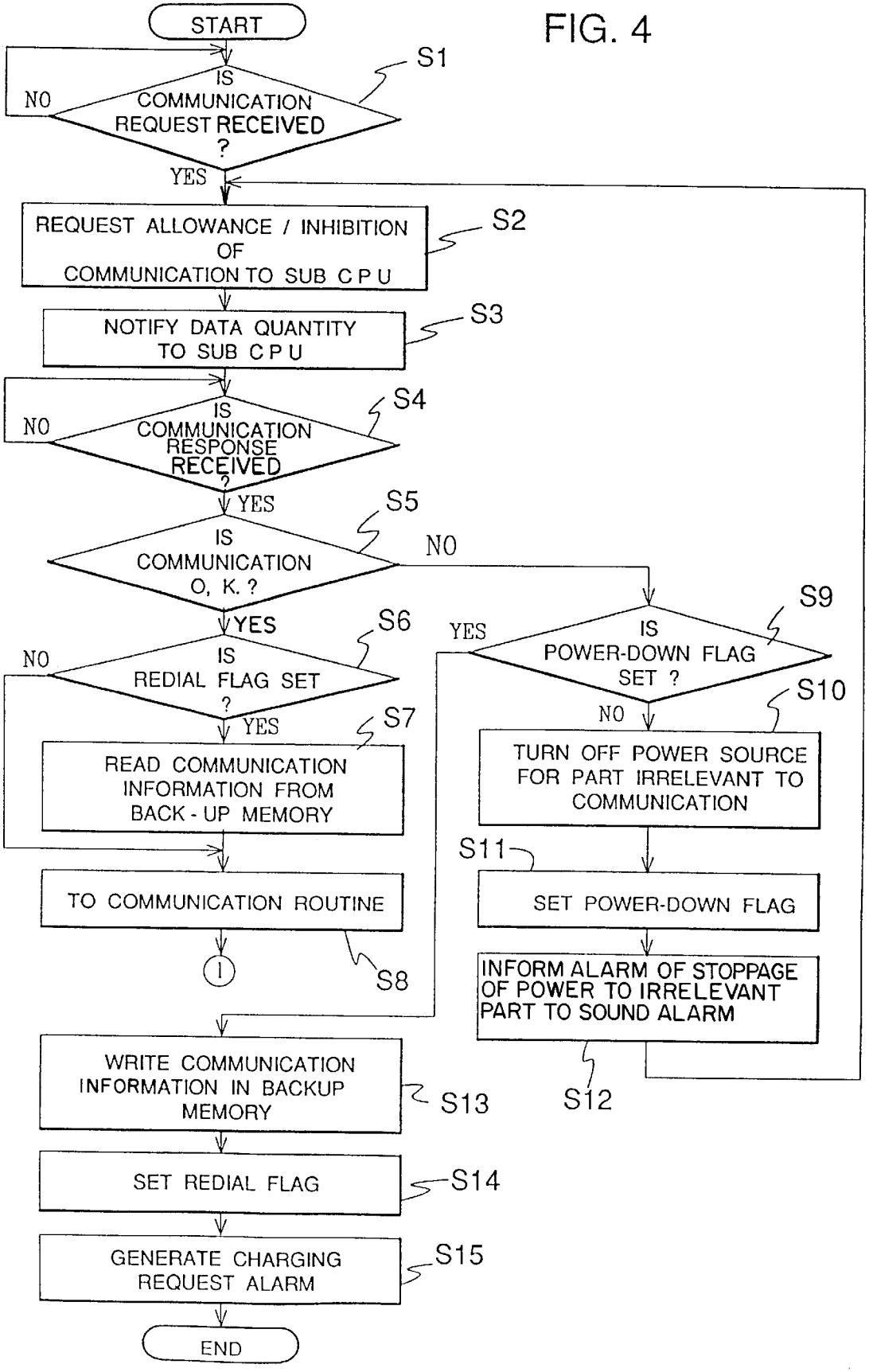
DOCKET ALARM
Find authenticated court documents without watermarks at docketalarm.com.

FIG. 3



DOCKET ALARM Find authenticated court documents without watermarks at docketalarm.com.

FIG. 4



DOCKET ALARM
Find authenticated court documents without watermarks at docketalarm.com.

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.