US 20030046083A1

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2003/0046083 A1

DEVINNEY, JR. et al. (43) Pub. Date: Mar. 6, 2003

(54) USER VALIDATION FOR INFORMATION SYSTEM ACCESS AND TRANSACTION PROCESSING

(76) Inventors: **EDWARD J. DEVINNEY JR.**, DELANCO, NJ (US); **MANISH SHARMA**, SOMERSET, NJ (US); **CHRIS KEYSER**, ROEBLING, NJ (US); **RAINER ROTHACKER**, CLIFFWOOD BEACH, NJ (US); **RICHARD J. MAMMONE**, BRIDGEWATER, NJ (US)

Correspondence Address:
Thomas H. Young, Esq.
Merchant & Gould, P.C.
3200 IDS Center
80 South Eighth Street
Minneapolis, MN 55402-2215 (US)

(*) Notice: This is a publication of a continued prosecution application (CPA) filed under 37 CFR 1.53(d).

(21) Appl. No.: **08/976,279**

(22) Filed: **Nov. 21, 1997**

Related U.S. Application Data

(60) Provisional application No. 60/031,638, filed on Nov. 22, 1996.

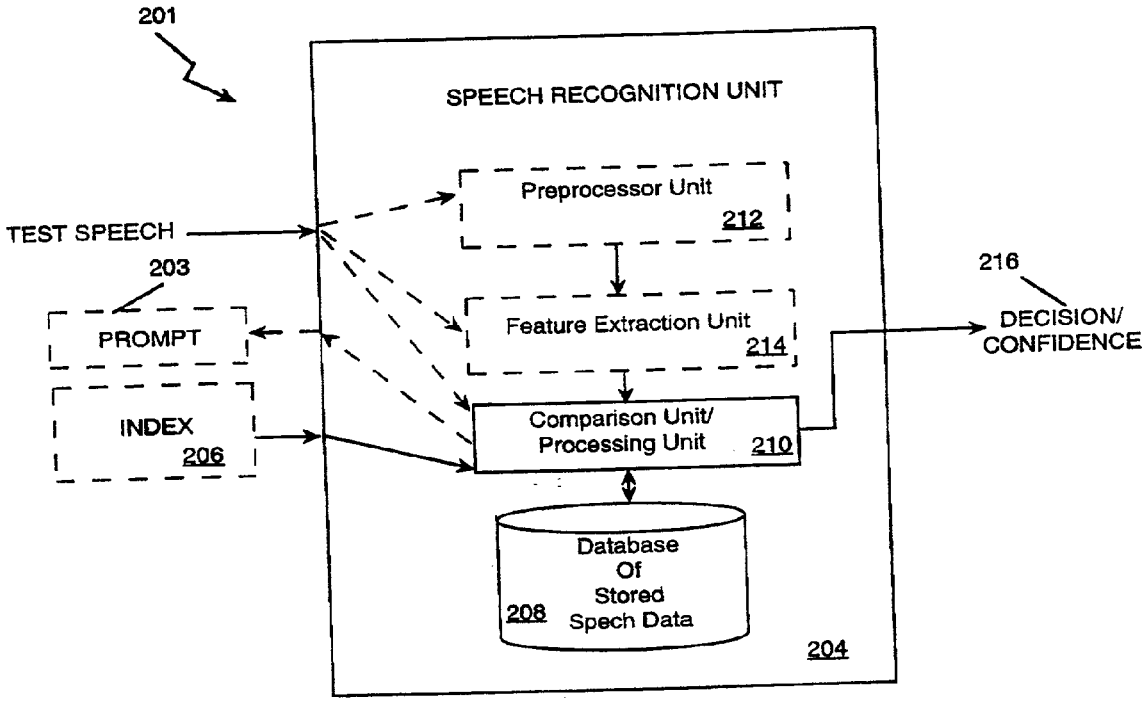
Publication Classification

(51) **Int. Cl.**[7] **G10L 21/00**

(52) **U.S. Cl.** **704/273**

(57) **ABSTRACT**

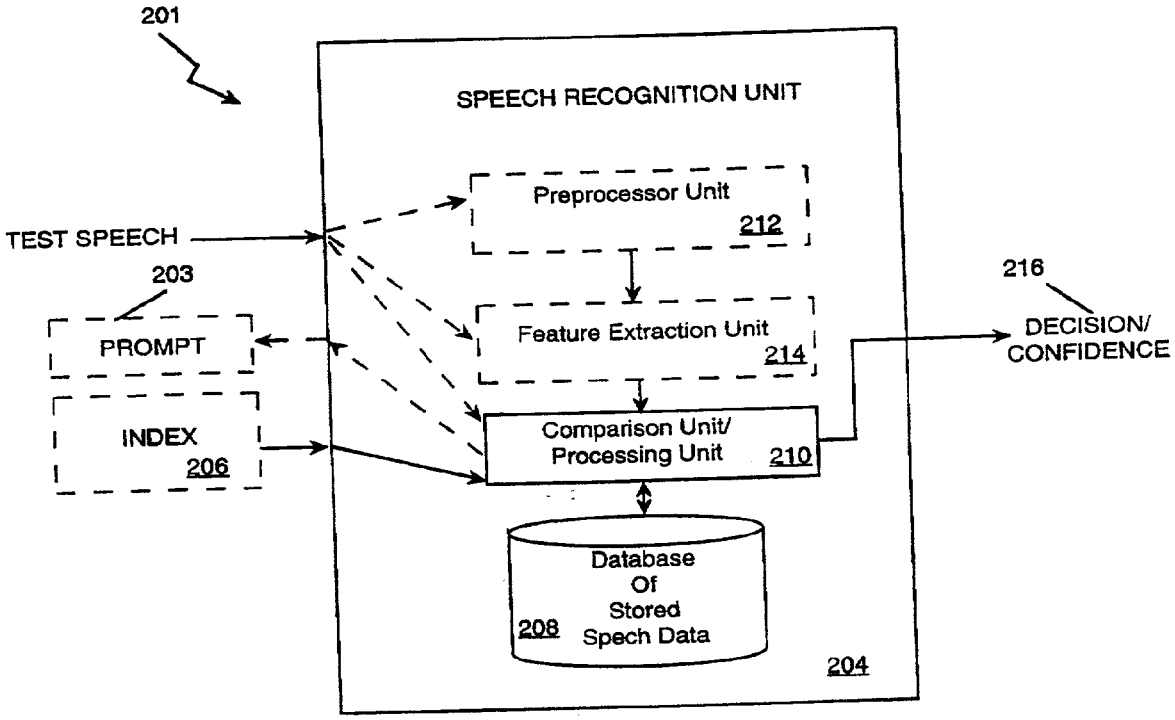
The present invention applies speech recognition technology to remote access, verification, and identification applications. Speech recognition is used to raise the security level of many types of transaction systems which previously had serious safety drawbacks, including: point of sale systems, home authorization systems, systems for establishing a call to a called party (including prison telephone systems), internet access systems, web site access systems, systems for obtaining access to protected computer networks, systems for accessing a restricted hyperlink, desktop computer security systems, and systems for gaining access to a networked server. A general speech recognition system using communication is also presented. Further, different types of speech recognition methodologies are useful with the present invention, such as "simple" security methods and systems, multi-tiered security methods and systems, conditional multi-tiered security methods and systems, and randomly prompted voice token methods and systems.



DOCKET ALARM

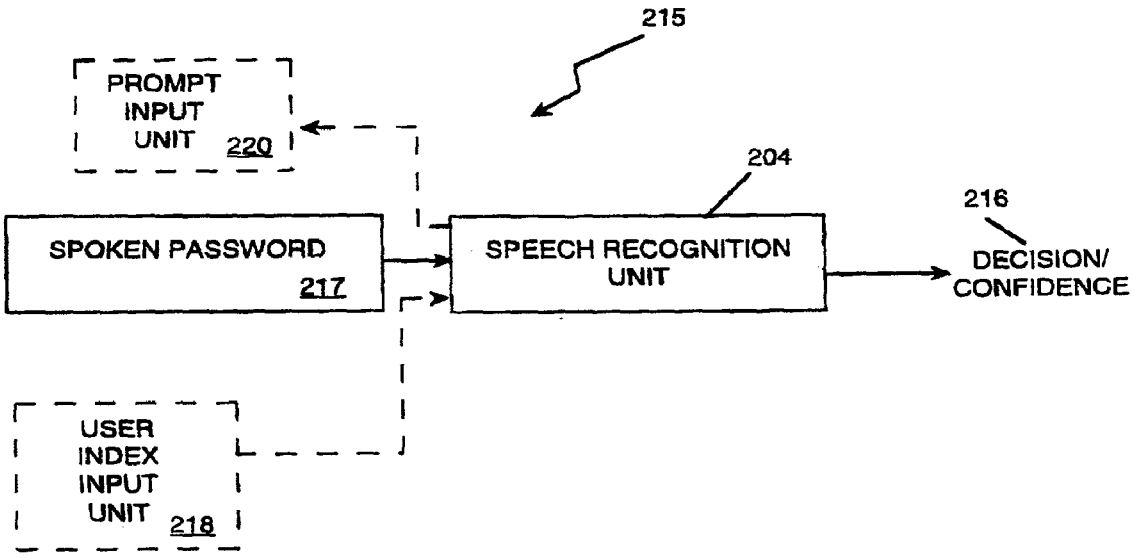
Find authenticated court documents without watermarks at docketalarm.com.

FIG. 1



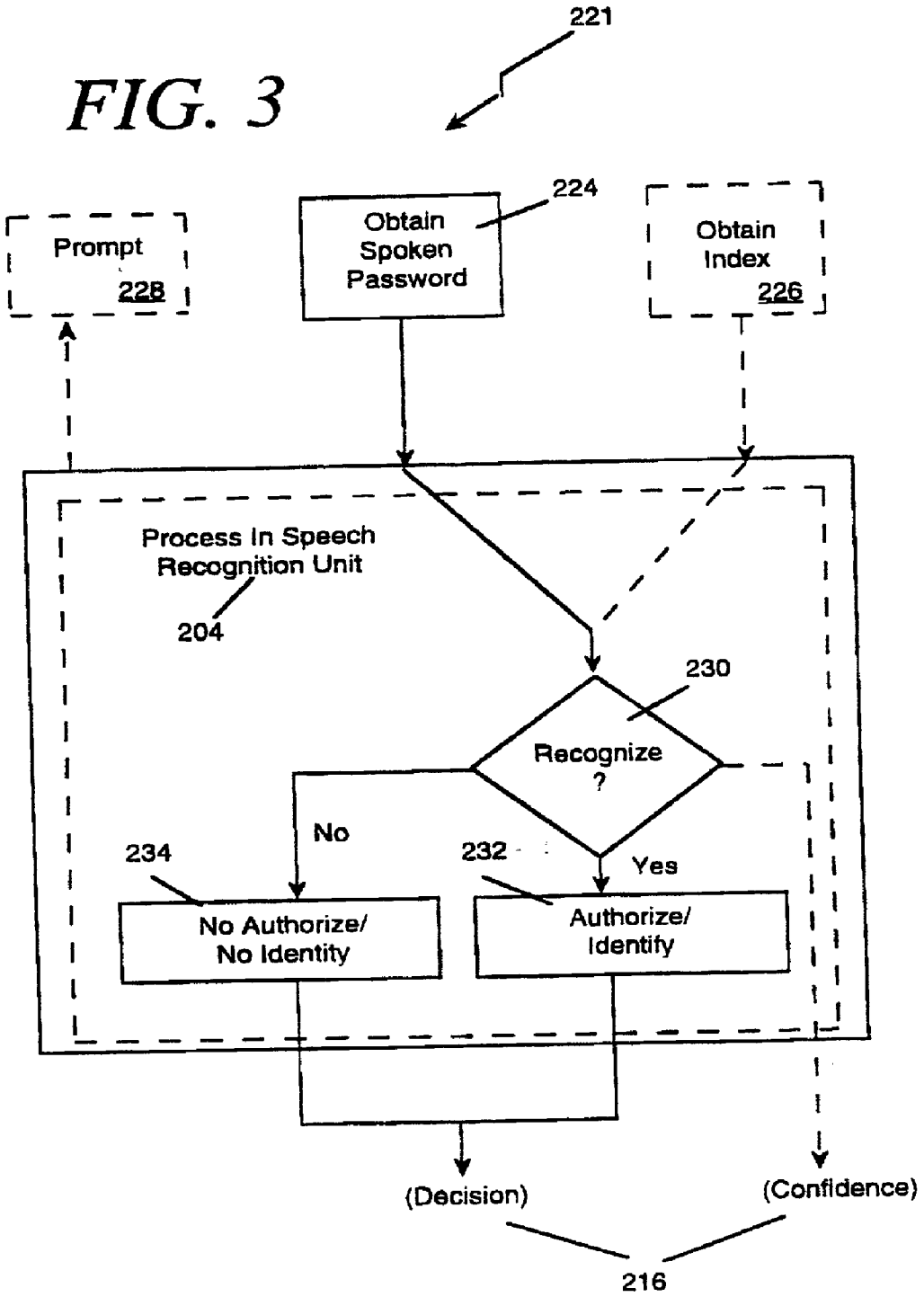
DOCKET ALARM Find authenticated court documents without watermarks at docketalarm.com.

FIG. 2



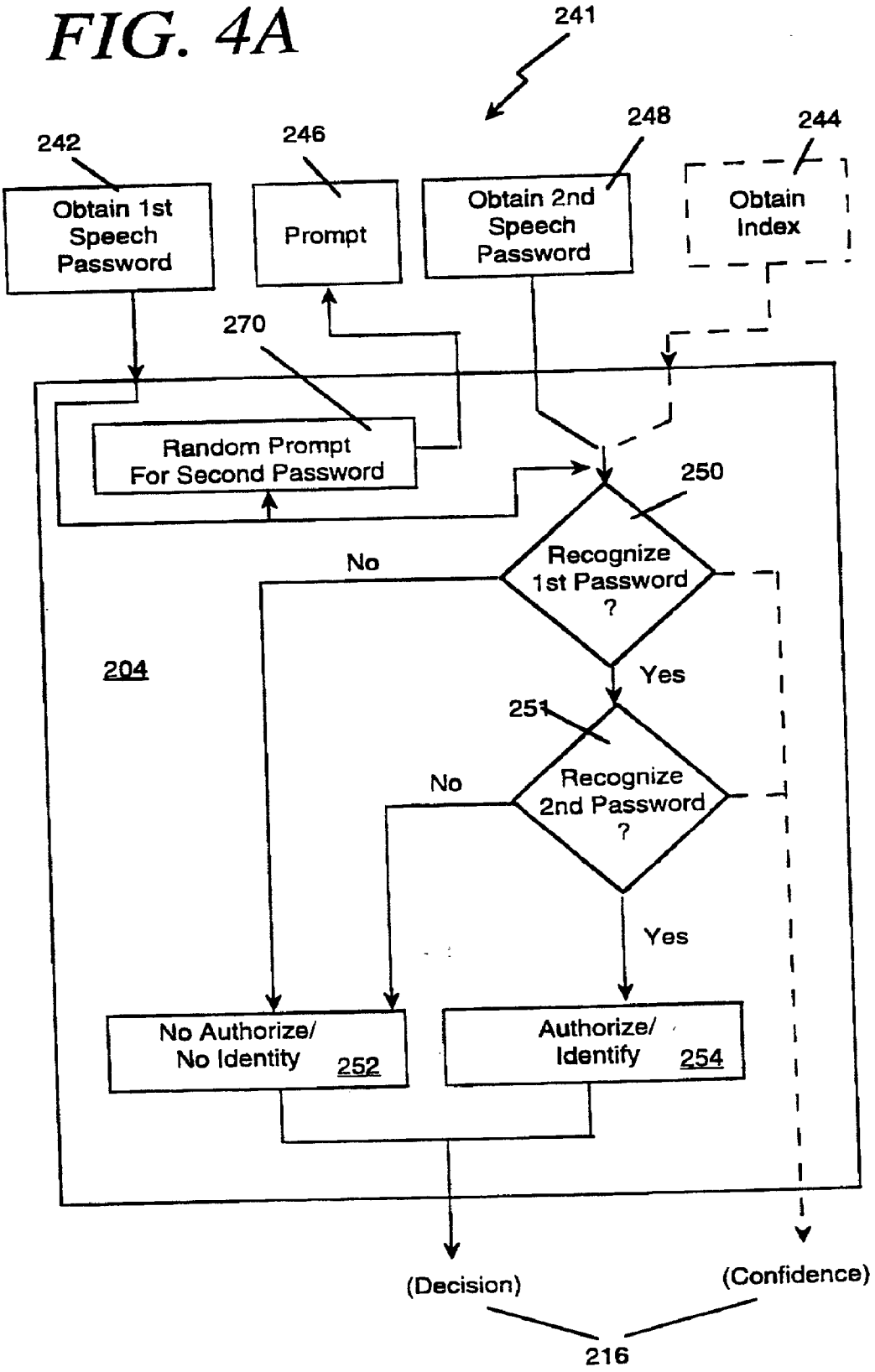
DOCKET ALARM
Find authenticated court documents without watermarks at docketalarm.com.

FIG. 3



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

FIG. 4A



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.