



(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2002/0063154 A1**

Hoyos et al. (43) **Pub. Date: May 30, 2002**

(54) **SECURITY SYSTEM DATABASE MANAGEMENT**

Related U.S. Application Data

(76) Inventors: **Hector Hoyos**, Guaynabo, PR (US);
Alex Rivera, San Juan, PR (US);
Miguel Berrios, Guaynabo, PR (US);
Ricardo Real, Bayamon, PR (US);
Leslie de Jesus, San Juan, PR (US)

(63) Non-provisional of provisional application No. 60/207,562, filed on May 26, 2000.

Publication Classification

(51) **Int. Cl.⁷** **G06K 7/01**
(52) **U.S. Cl.** **235/382.5**

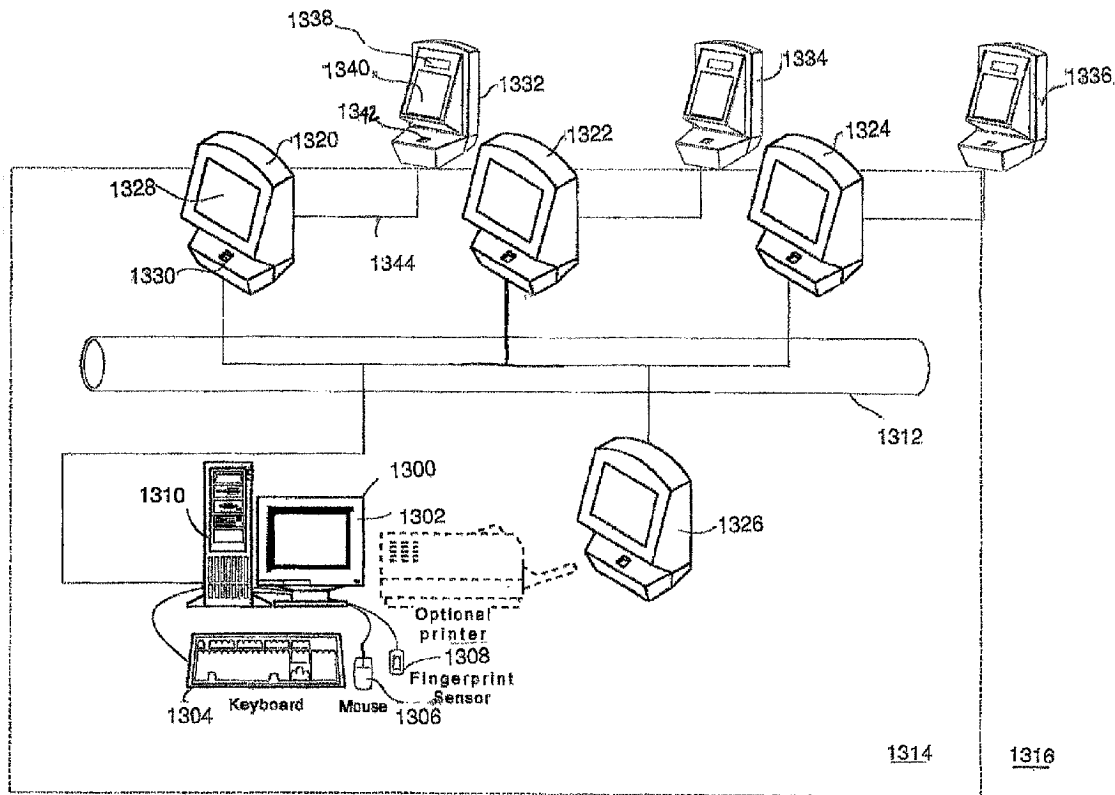
Correspondence Address:
Patent Law Offices of Health W. Hoglund
391 Juan A. Davila Street
San Juan, PR 00918 (US)

(57) **ABSTRACT**

A security system database is configured to store a unique identifier and a biometrics feature for each user's. This information is periodically transferred from a central server to a plurality of access controllers. The access controllers in turn control building access based upon the information received from the central server. The access data is in turn periodically transferred from the access controllers to the central server. The central server uses this information to generate access reports.

(21) Appl. No.: **09/867,184**

(22) Filed: **May 29, 2001**



| 102 | 104 | 106 |
|-----|------------|-------------------------|
| ↓ | ↓ | ↓ |
| # | Network ID | Name |
| 1 | 10:10:01 | South Parking Lot Entry |
| 2 | 10:10:02 | Main Gate |
| . | . | . |
| . | . | . |
| . | . | . |
| N | 10:10:N | Other Entry |

(Database of Access Points)

Fig. 1

| 202 | 204 | 206 | 208 | 210 | 212 | | 214 |
|-----|----------|-------|-------|-------|-------|--|-------|
| ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | ↓ |
| # | Name | A.P.1 | A.P.2 | A.P.3 | A.P.4 | | A.P.M |
| 1 | Basic | 1 | 0 | 0 | 1 | | X |
| 2 | Software | 1 | 0 | 1 | 0 | | X |
| . | . | . | . | . | . | | . |
| . | . | . | . | . | . | | . |
| . | . | . | . | . | . | | . |
| N | Other | X | X | X | X | | X |

(Database of Access Groups)

Fig. 2

| 302 | 304 | |
|-----|----------------|--|
| ↓ | ↓ | |
| # | Name | |
| 1 | Engineering | |
| 2 | Marketing | |
| 3 | Administration | |
| 4 | Software | |
| . | . | |
| . | . | |
| . | . | |
| N | Others | |

(Database of Departments)

Fig. 3

| 402 | 404 | |
|-----|------------|--|
| ↓ | ↓ | |
| # | Name | |
| 1 | Exempt | |
| 2 | Non-Exempt | |
| . | . | |
| . | . | |
| . | . | |
| N | Others | |

(Database of Groups)

Fig. 4

| 502 | 504 | 506 | 508 |
|-----|-----------------|------------|------------------|
| ↓ | ↓ | ↓ | ↓ |
| # | Name | Time Frame | Account Disabled |
| 1 | Visitor | 0 | 0 |
| 2 | Temporary Leave | 1 | 1 |
| 3 | Voluntary Leave | 0 | 1 |
| 4 | Termination | 0 | 1 |
| 5 | Active | 0 | 0 |
| N | Others | 1 | 1 |

(Database of Employment Status Options)

Fig. 5

| 602 | 604 | 606 | 608 |
|-----|-------------|--------------|------------|
| ↓ | ↓ | ↓ | ↓ |
| # | Name | T/A Group | Time Frame |
| 1 | Full Time A | In / Out | 0 |
| 2 | Full Time B | 4 In / 4 Out | 0 |
| 3 | Part Time | 2 In / 2 Out | 0 |
| 4 | Seasonal | 3 In / 3 Out | 1 |
| 5 | Visitor | In / Out | 1 |

(Database of Employment Type Options)

Fig. 6

| 702 | 704 | 706 | 708 | 710 | 712 | 714 | 716 | 718 | 720 | 722 | 724 |
|-----|---------------|--------|--------|--------|-----|----------------|-------------------|----------------|-------------|-----------------|----------------|
| ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| # | Name | Enroll | Update | Delete | DB | Sched- uler | Admin. Reports | T/A Reports | T/A Edit | Video Report | Info Report |
| 1 | User | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | DB Manger | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 | Administrator | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 4 | Enroll Clerk | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Reports Clerk | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |

(Database of Access Priviliges)

Fig. 7

| 802 | 804 | 806 | 808 | 810 | 812 | 814 | 816 | 818 | 820 | 822 | 824 |
|-----|------------|----------------|------|-------|--------------|----------|----------------|------------|-----------|--------------|-------|
| ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| # | Name | Employ. Number | PID | Dept. | Employ. Type | End Date | Employ. Status | Leave Date | DB Rights | Report Group | Other |
| 1 | A. Rivera | 1 | 1776 | Eng. | F.T. A | - | Active | - | User | Exempt | 0 |
| 2 | M. Berrios | 2 | 9999 | Soft. | F.T. B | - | Active | - | Admin. | Exempt | 1 |
| . | . | . | . | . | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . | . |
| N | Others | | | | | | | | | | |

(Database of Users)

Fig. 8

| 902 | 904 | 906 | 908 | 910 | 912 | 914 | 916 | | | | 922 |
|-----|----------------|--------|--------|--------|--------|--------|--------|---|---|---|--------|
| ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | ↓ |
| # | Employ. Number | A.G. 1 | A.G. 2 | A.G. 3 | A.G. 4 | A.G. 5 | A.G. 6 | . | . | . | A.G. N |
| 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | . | . | . | 0 |
| 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | . | . | . | 0 |
| . | . | . | . | . | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . | . |
| N | N | 0 | 0 | 0 | 0 | 1 | 1 | . | . | . | 1 |

(Database of Users' Access Groups)

Fig. 9

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.