Ex. 1010

US Patent No. 6,338,138 ("Raduchel")

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Raduchel et al.

(10) Patent No.: **US 6,338,138 B1**
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(54) **NETWORK-BASED AUTHENTICATION OF COMPUTER USER**

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Related U.S. Application Data

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(51) **Int. Cl.**[7] **H04L 9/00**
(52) **U.S. Cl.** **713/155**; 713/152; 713/164; 713/183; 713/185; 705/65; 705/67; 705/72; 705/73; 380/232
(58) **Field of Search** 713/159, 165, 713/166, 183, 185, 2, 152, 155, 164, 172; 705/67, 65, 72, 73; 380/232

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,962,449	A	*	10/1990	Schlesinger	364/200
5,237,614	A	*	8/1993	Weiss	380/23
5,666,293	A	*	9/1997	Metz et al.	395/200.5
5,768,539	A	*	6/1998	Metz et al.	395/200.79
5,771,291	A	*	6/1998	Newton et al.	380/25
5,787,177	A	*	7/1998	Leppek	380/25
5,802,530	A	*	9/1998	Van Hoff	707/513
5,812,819	A	*	9/1998	Rodwin et al.	395/500
5,841,970	A	*	11/1998	Tabuki	395/187.01
5,892,905	A	*	4/1999	Brandt et al.	395/187.01

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

DE	196 10 314	A1	*	9/1997	.... G06F/12/14
EP	0 798 655	A2	*	1/1997	.... G06F/17/30
EP	0 798 655	A2		10/1997	
WO	WO 96/42041			12/1996	
WO	96/42041		*	12/1996	

OTHER PUBLICATIONS

Windows NT Security Handbook (Tom Sheldon, 1997, pp. 83–85).*

Distributed Systems Concepts and Design, Second Edition, G. Coulouris et al., pp. 221–233, 1996.

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(57) **ABSTRACT**

A network-based authentication scheme is provided that performs authentication in a centralized manner for the stand-alone computers of a particular organization. Since authentication is centralized, the individual computers do not need to store authentication information, and control over all of the computers rests in a single location, enabling the system administrator to manage access and utilization of the computers from this location. The network-based authentication scheme includes an authentication manager, remotely located with respect to a local computer, that performs authentication for the local computer. The authentication manager receives login information from the local computer, verifies this information against an authentication file, and returns indications of the services on the local computer that the user is able to utilize. The local computer receives these indications and displays icons representing the services available to that user. The user may then select an icon, causing an applet to be downloaded from the authentication manager onto the local computer to facilitate the user's utilization of the corresponding service.

25 Claims, 6 Drawing Sheets
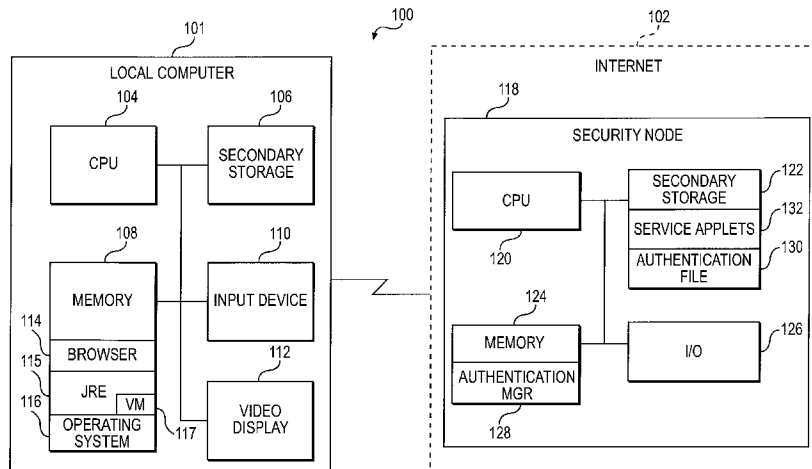
U.S. PATENT DOCUMENTS

5,953,005	A	*	9/1999	Liu	345/302
5,958,016	A	*	9/1999	Chang et al.	709/229
5,978,834	A	*	11/1999	Simonoff et al.	709/203
5,978,855	A	*	11/1999	Metz et al.	709/249
5,987,506	A	*	11/1999	Carter et al.	709/213
5,987,611	A	*	11/1999	Freund	713/201
6,005,568	A	*	12/1999	Simonoff et al.	345/335
6,012,100	A	*	1/2000	Frailong et la.	709/250
6,049,877	A	*	4/2000	White	713/201
6,070,243	A	*	5/2000	See et al.	713/201
6,115,471	A	*	9/2000	Oki et al.	380/342
6,125,384	A	*	9/2000	Brandt et al.	709/203

* cited by examiner

FIG. 1

```
         ( LOGIN )
             │
             ▼
    ┌─────────────────┐
    │  LOAD MINIMAL   │ ─── 202
    │   OS SERVICES   │
    └─────────────────┘
             │
             ▼
    ┌─────────────────┐
    │   LOAD & RUN     │ ─── 204
    │    BROWSER      │
    └─────────────────┘
             │
             ▼
    ┌─────────────────┐
    │    REQUEST       │ ─── 206
    │ AUTHENTICATION  │
    └─────────────────┘
             │
             ▼
         208
       ◇ USER ◇
   AUTHENTICATED ──── NO ───────────────┐
        ?                                │
       ◇                                 │
        │ YES                            │
        ▼   212                          ▼   210
┌─────────────────┐           ┌─────────────────┐
│  PROVIDE FULL    │           │PROVIDE RESTRICTED│
│ ACCESS TO LOCAL  │           │ ACCESS TO LOCAL  │
│    COMPUTER     │           │    COMPUTER      │
└─────────────────┘           └─────────────────┘
        │                              │
        ◄──────────────────────────────┘
        ▼
     ( END )
```

FIG. 2

DOCKET ALARM
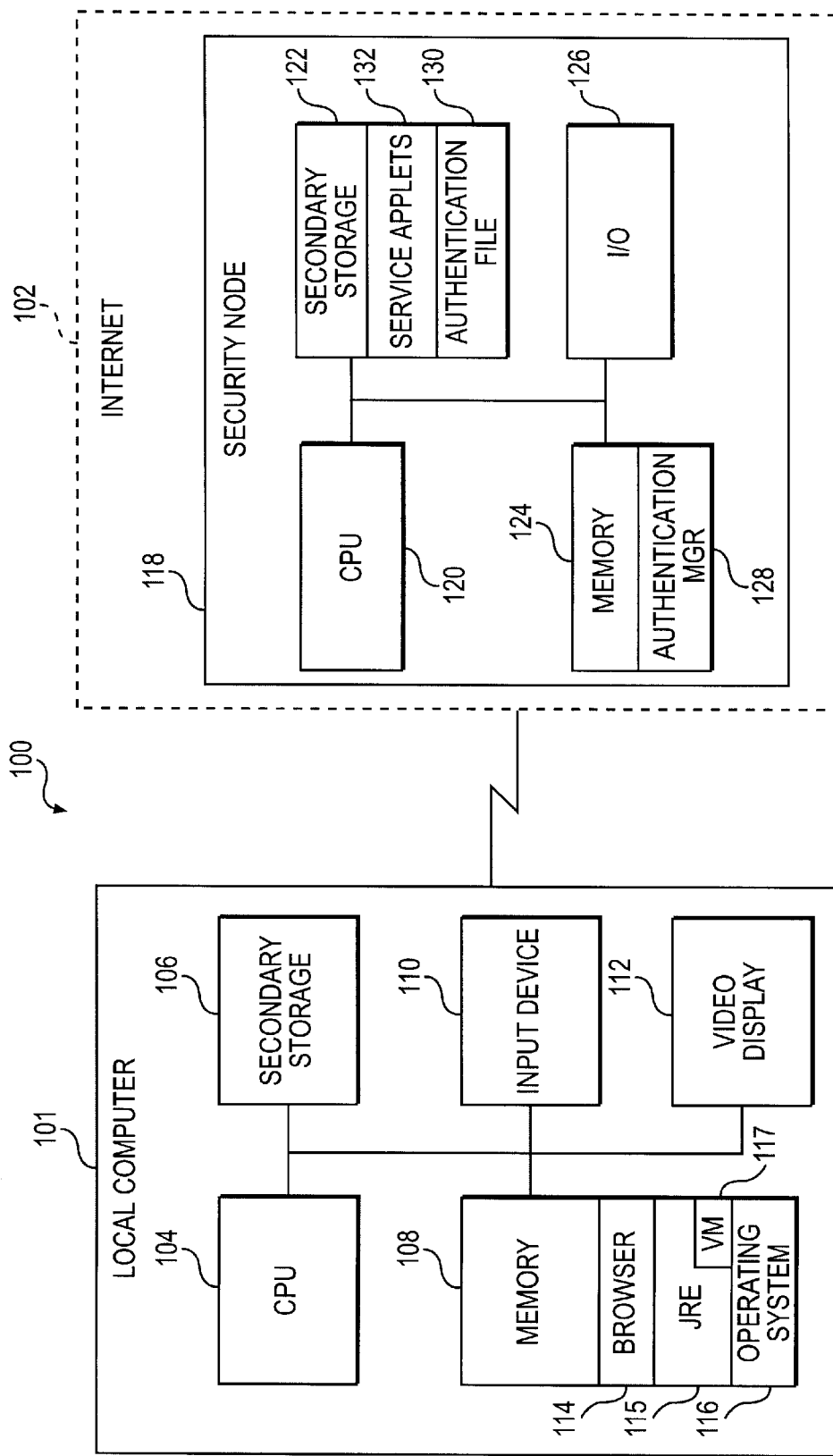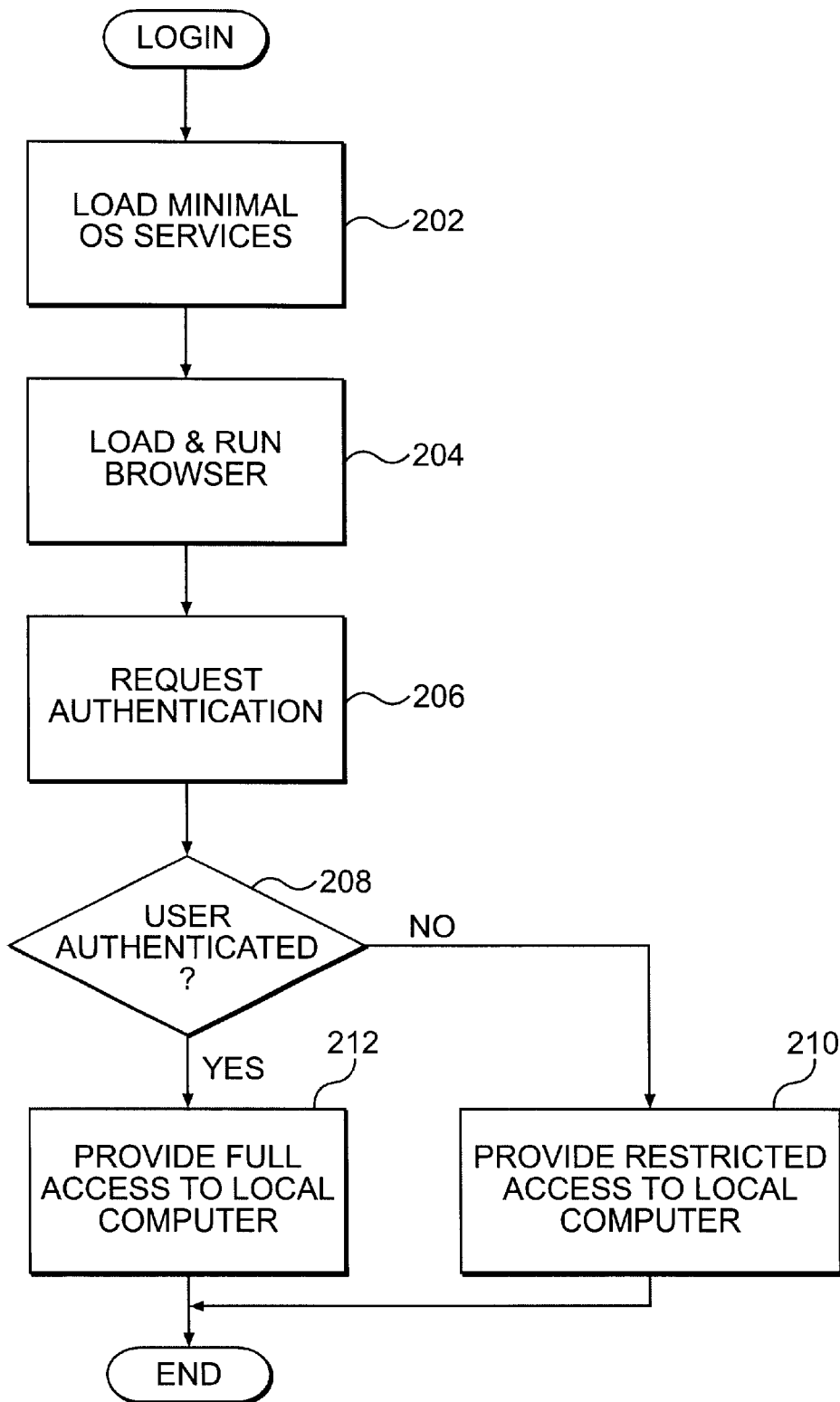
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