

Exhibit E



(12) **United States Patent**
Roskind et al.

(10) **Patent No.:** **US 7,463,596 B2**
 (45) **Date of Patent:** ***Dec. 9, 2008**

(54) **TIME BASED WIRELESS ACCESS PROVISIONING**

6,272,129 B1 8/2001 Dynarski et al.

(75) Inventors: **James A. Roskind**, Redwood City, CA (US); **John D. Robinson**, South Riding, VA (US)

(Continued)

FOREIGN PATENT DOCUMENTS

(73) Assignee: **AOL LLC**, Dulles, VA (US)

EP 0814623 12/1997

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(Continued)

OTHER PUBLICATIONS

This patent is subject to a terminal disclaimer.

Security Issues for Wearable Computing and Bluetooth Technology; Catharina Candolin, undated.

(21) Appl. No.: **11/673,513**

(Continued)

(22) Filed: **Feb. 9, 2007**

Primary Examiner—Melvin Marcelo

(74) *Attorney, Agent, or Firm*—Michael A. Glenn; Glenn Patent Group

(65) **Prior Publication Data**

US 2007/0135060 A1 Jun. 14, 2007

(57) **ABSTRACT**

Related U.S. Application Data

(63) Continuation of application No. 10/961,959, filed on Oct. 8, 2004, now Pat. No. 7,177,285, which is a continuation of application No. 10/341,847, filed on Jan. 13, 2003, now Pat. No. 6,891,807.

(51) **Int. Cl.**
H04L 12/26 (2006.01)
H04Q 7/34 (2006.01)

(52) **U.S. Cl.** **370/255; 370/338**

(58) **Field of Classification Search** **370/255, 370/338**

See application file for complete search history.

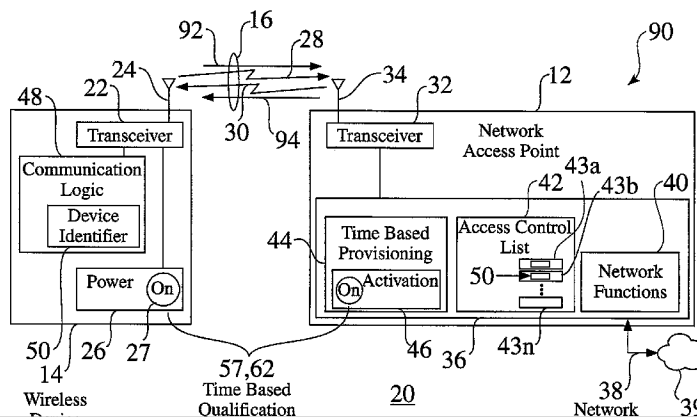
(56) **References Cited**

U.S. PATENT DOCUMENTS

5,461,627 A 10/1995 Rypinski
 6,058,106 A 5/2000 Cudak et al.
 6,167,428 A 12/2000 Ellis

A method and apparatus is provided for the time-based provisioning of wireless devices. A network access point monitors operation of wireless devices within a service region. When provisioning logic is activated at the network access point, the access point determines if the tracked parameter (such as power on or the onset of signal transmission) of the wireless device occurs within a designated time interval from the time of the provisioning activation. If the tracked device qualifies, the network access point proceeds with provisioning the device. In one system embodiment, the network access point tracks the power on time of wireless devices. When a wireless device to be authorized is powered on, the provisioning logic at the network access point notes the power on time. The user then activates the provisioning access at the network access point, and the network access point provisions the wireless device if it is recently powered on.

30 Claims, 7 Drawing Sheets



US 7,463,596 B2

Page 2

U.S. PATENT DOCUMENTS

6,275,693	B1	8/2001	Lin et al.	
6,282,183	B1	8/2001	Harris et al.	
6,317,594	B1	11/2001	Gossman et al.	
6,334,056	B1	12/2001	Holmes et al.	
6,359,880	B1	3/2002	Curry et al.	
6,418,146	B1	7/2002	Miloslavsky	
6,418,324	B1	7/2002	Doviak et al.	
6,891,807	B2	5/2005	Roskind et al.	
7,274,931	B2 *	9/2007	Harris	455/419
2001/0048744	A1	12/2001	Kimura	
2003/0152235	A1	8/2003	Cohen et al.	

FOREIGN PATENT DOCUMENTS

EP	0999672	5/2000
EP	1081895	3/2001
EP	1126681	8/2001
EP	1191763	3/2002
EP	1225778	7/2002
JP	2001-308866	2/2001
WO	WO 01/22661	3/2001

OTHER PUBLICATIONS

Privacy and Authentication for Wireless Local Area Networks; Ashar Aziz, and Whitfield Diffie; Sun Microsystems, Inc.; Jul. 26, 1993.

Painting Your Home Blue [Bluetooth/supTM/wireless Technology]; D. Cypher; Proceedings 2002 IEEE 4th International Workshop on Networked Appliances; Jan. 15-16, 2002.

Wireless Home Networks Based on a Hierarchical Bluetooth Scatternet Architecture; W. Lilakiatsakun, A. Seneviratne; Proceedings Ninth IEEE International Conference on Networks; Oct. 10-12, 2001.

Bluetooth Wireless Technology in the Home; R. Shepherd; Electronics & Communication Engineering Journal; Oct. 2001.

Wireless Gateway for Wireless Home AV Network and Its Implementation; T. Saito, I. Imoda, Y. Takabatke, and K. Teramoto, and K. Fujimoto; IEEE Transactions on consumer Electronics; Aug. 2001.

A Wireless Home Network and Its Application Systems; H. Fujieda, Y. Horiike, T. Yamamoto, and T. Nomura; IEEE Transactions on Consumer Electronics; May 2000.

Wireless Home Link; IEICE Transactions on Communications; Dec. 1999.

An Access Protocol for a Wireless Home Network; A.C.V. Gummalia, and J.O. Limb; WCNC. 1999 IEEE Wireless Communications and Networking Conference; Sep. 21-24, 1999.

Firewalls for Security in Wireless Networks; U. Murthy, O. Bukhres, W. Winn, and E. Vanderdez; Proceedings of the Thirty-First Hawaii International Conference on System sciences; Jan. 6-9, 1998.

Self-Securing Ad Hoc Wireless Networks; Haiyun Luo, Petros Aefros, Jiejun Kng, Songwu Lu, and Lixia Zhang, undated.

Wireless Networking for Control and Automation of Off-Road Equipment; by J.D. Will; An ASAE Meeting Presentation, undated.

Intrusion Detection in Wireless Ad-Hoc Networks; Yongguang Zhang and Wenke Lee; Proceedings of the Sixth Annual International Conference on Mobile Computing and Networking; Aug. 6-11, 2000.

Microsoft Announces Wireless Provisioning Services; GeekZone; Wi-Fi, posted Dec. 10, 2003 20:56:21 NZ.

HP Spotlights Mobile Gear; Ina Fried; CNET News.com; Oct. 13, 2003.

Wireless Provisioning Services Overview; The Cable Guy—Dec. 2003; TechNet Newsletter; 2004 Microsoft Corporation.

Sony Ericsson Mobile Communications; *Sony Ericsson HBH-65* (Manual); Pub #LZT 1086746 R1A; 1st Ed. Aug. 2003; Sony Ericsson Mobile Communications, AB.

* cited by examiner

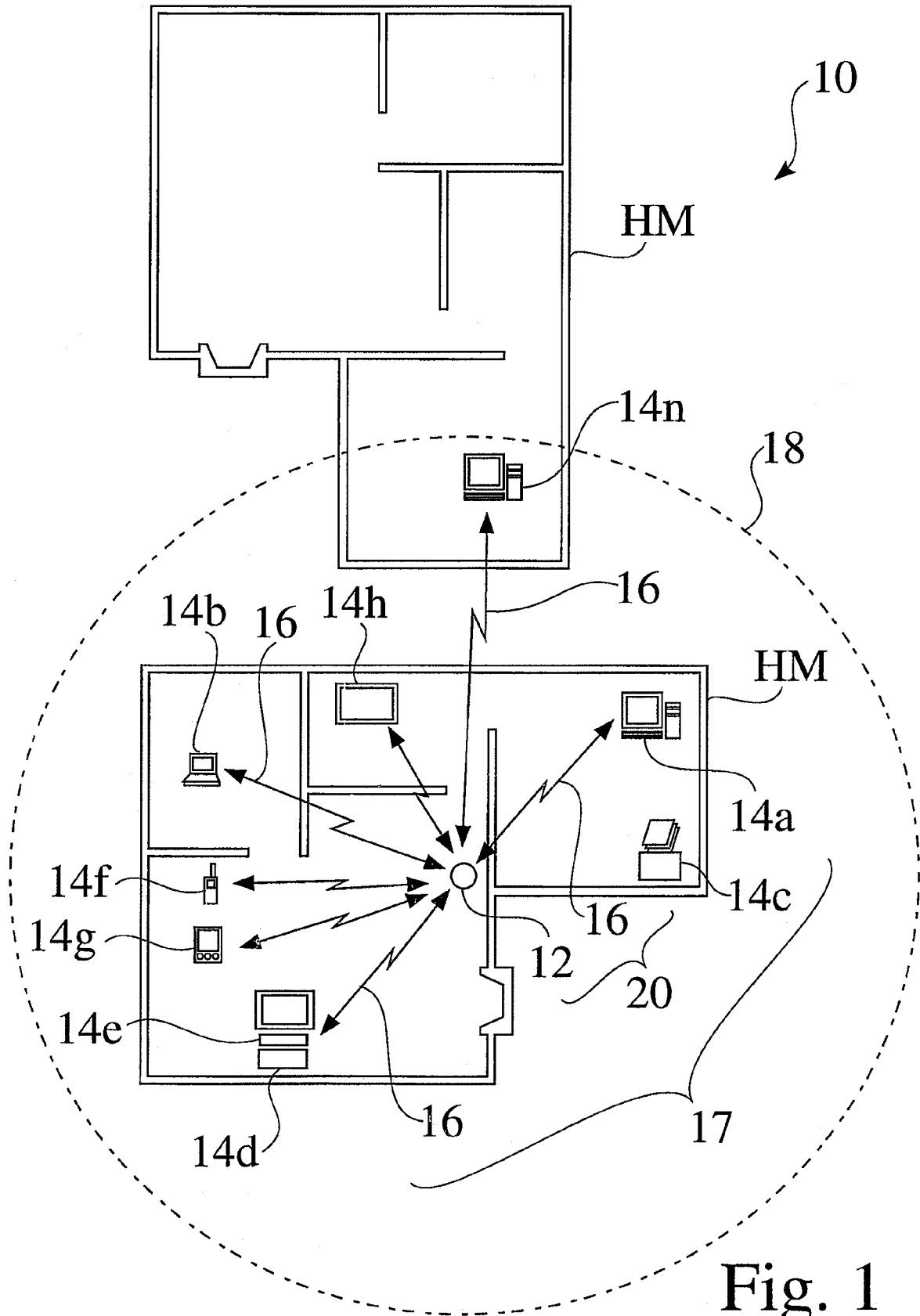


Fig. 1

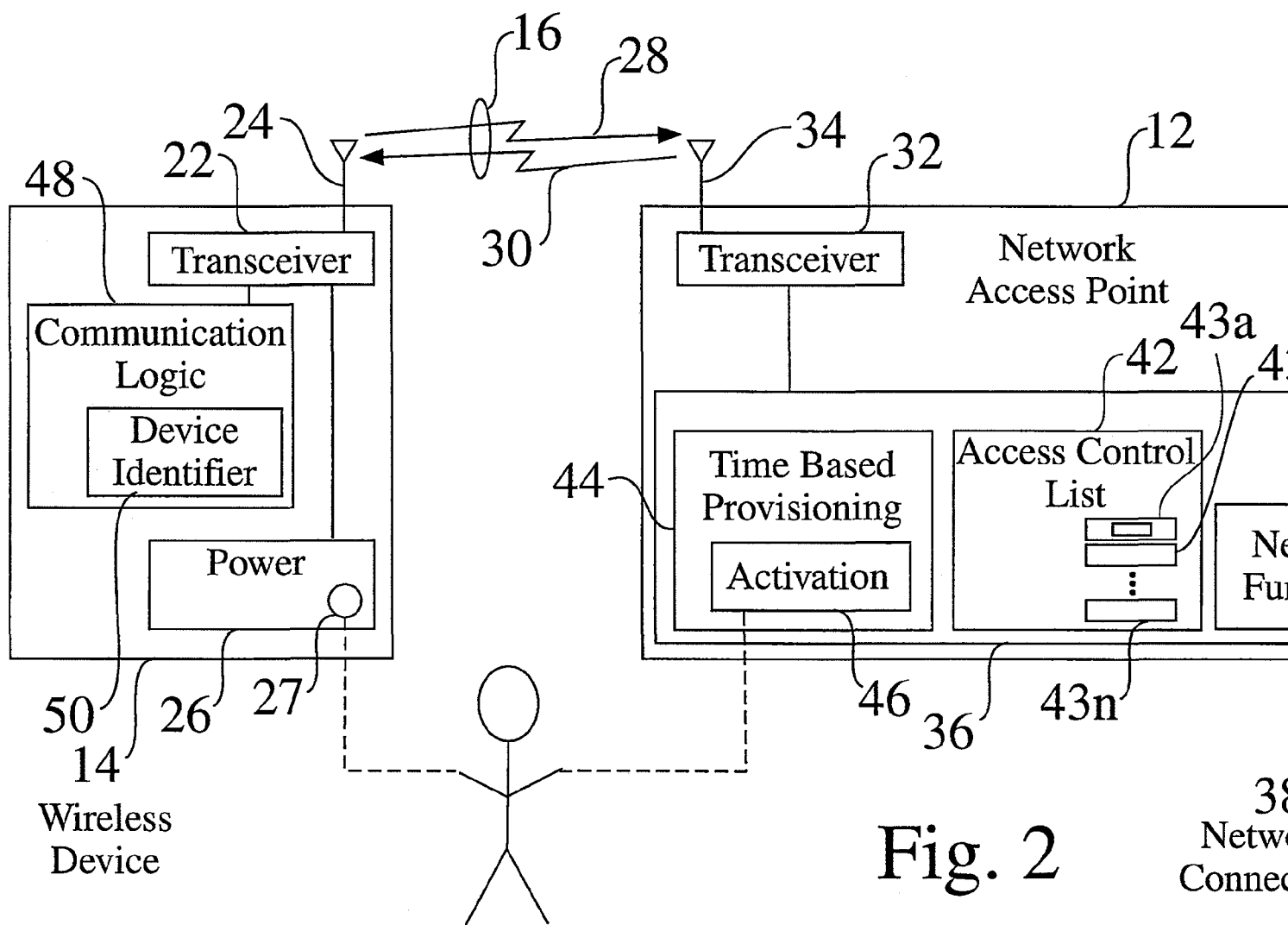


Fig. 2

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.