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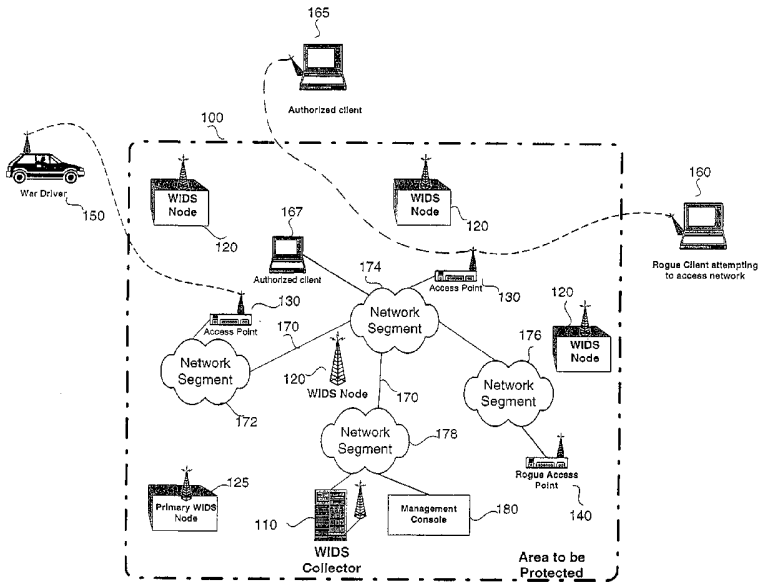
[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR WIRELESS INTRUSION DETECTION



(57) Abstract: A wireless intrusion dection system (WIDS) is disclosed for monitoring both authorized and unauthorized access to a wireless portion of a network. The WIDS consists of a collect (110) and one or more nodes (120) that communicate via an out of band means that is separate from the network. Unauthorized access points (140) and unauthorized clients (160) in the network can be detected. The WIDS can be used to monitor, for example, a network implemented using the 802.11 protocol. In addition, the WIDS can be used by one company to provide a service that monitors the wireless network of another company.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US03/15076

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : H04L 9/32
US CL : 713/201
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 713/153,200,201; 714/39

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US PUB 2003/0188190 A1 (Aaron) 02 October 2003 (02.10.2003), entire page 7.	1-3, 5-11, 13-26, 28-42 ---------- 4, 12, 27
Y	US 5,784,298 (Hershey) 21 July 1998 (21.07.1998), columns 1-4.	4, 12, 27
X	US 5,784,298 (Hershey et al.) 21 July 1998 (21.07.1998), columns 1-4.	35-37
X	Intrusion detection using mobile agents in wireless ad hoc networks Kachirski, O.; Guha, R.; Knowledge Media Networking, 2002. Proceedings. IEEE Workshop on , 10-12 July 2002 Page(s): 153 -158	1-3, 5-18, 20-30, 32-42
A	Intrusion Detection in Wireless Ad Hoc Network. Yongguang Zhang and W. Lee. Proceedings of the 6th International Conference on Mobile Computing and Networking (MobiCom 2000), pp. 275-283, Boston, Massachusetts, Aug 2000.	1-42
A	US 6,088,804 A (Hill) 11 July 2000 (11.07.2000), column 2, line 63 -- column 3, line 40).	1-42

☒ **Further documents are listed in the continuation of Box C.** ☐ **See patent family annex.**

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A, P	US PUB 2003/0151513 A1 (Herrmann) 14 August 2003 (14.07.2003), [0007-0009].	1-42

INTERNATIONAL SEARCH REPORT

PCT/US03/15076

Continuation of B. FIELDS SEARCHED Item 3:
IEEE, INSPEC
search terms: wireless, intrusion, dectection