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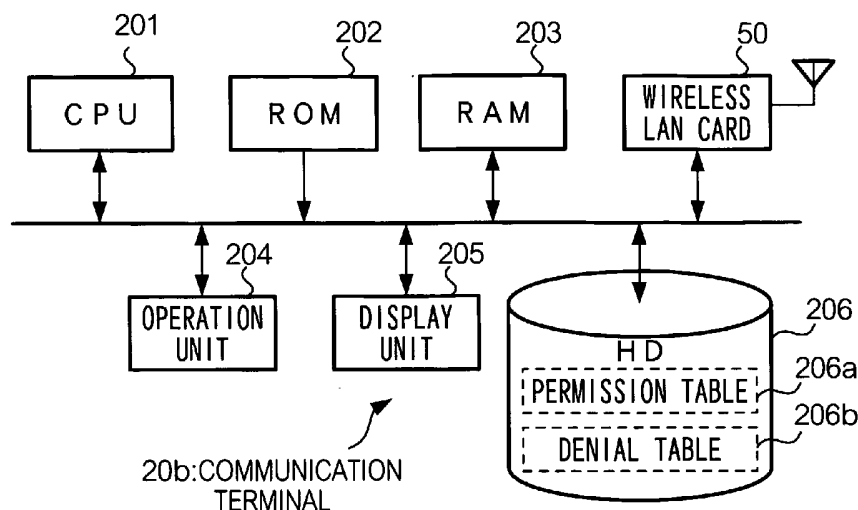
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[Continued on next page]

(54) Title: COMMUNICATION DEVICE, WIRELESS NETWORK, PROGRAM, AND STORAGE MEDIUM



(57) Abstract: The present invention provides a technique of enabling communication devices constituting a wireless network to register and update identification information easily, and thereby ensuring security of the communication devices and the wireless network and of detecting a communication device suspected of accessing a wireless network illegally and informing a user of the communication device. Communication terminal 20b detects and reports networked devices constituting wireless LAN 1, and if communication with the reported networked devices is permitted through an operation of operating unit 204, registers the MAC addresses of the networked devices in permission table 206a. Communication terminal 20b permits communication with a networked device constituting wireless LAN 1 whose MAC address has been registered in permission table 206a, and prohibits communication with a networked device constituting wireless LAN 1 whose MAC address has not been registered in permission table 206a.



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A. CLASSIFICATION OF SUBJECT MATTER  
H04L29/06

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)  
H04L

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 practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ANONYMOUS: "Airwave Rogue Access Point Detection" WIRELESS NETWORK MANAGEMENT SOLUTIONS, no. xp002319028, 2002, XP002319028 the whole document	1-7
A	----- US 2004/023640 A1 (BALLAI PHILIP N) 5 February 2004 (2004-02-05) abstract page 1, paragraph 3 page 1, paragraph 7 - page 2, paragraph 13 -----	1-7



Further documents are listed in the continuation of Box C.



See patent family annex.

## \* Special categories of cited documents :

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## INTERNATIONAL SEARCH REPORT

### Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2004023640	A1	05-02-2004	NONE