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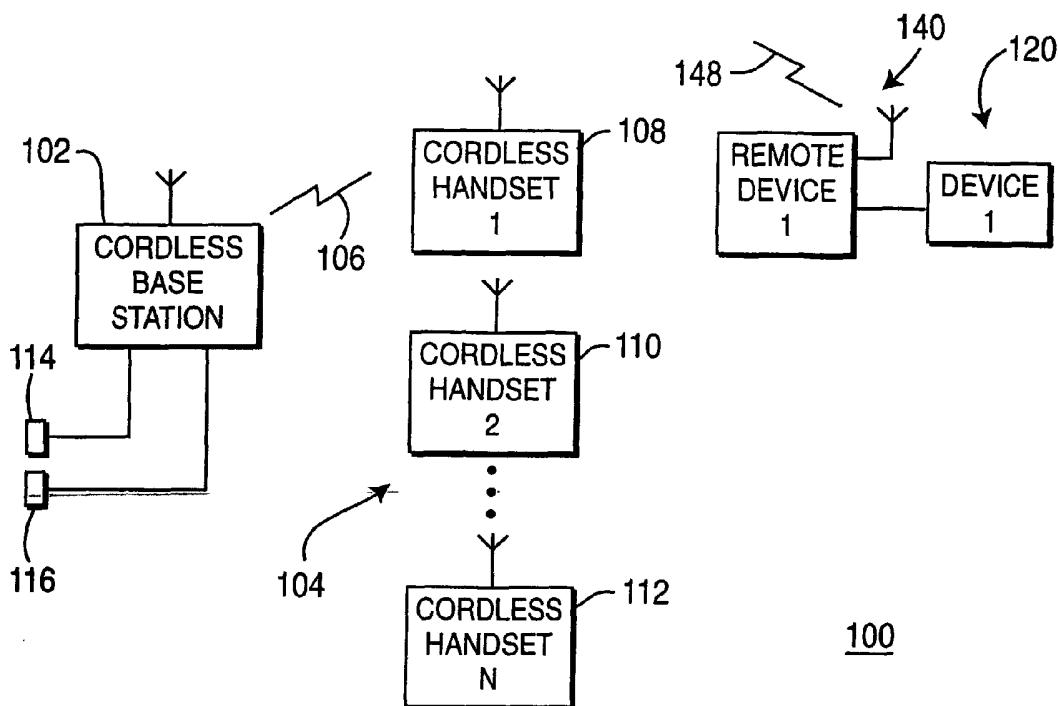
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[Continued on next page]

(54) Title: METHODS AND APPARATUS FOR SELECTING A CHANNEL FOR COMMUNICATING WITH A REMOTE WIRELESS DEVICE



(57) Abstract: An apparatus and method for selecting a new channel for communicating with a remote wireless device (140/120) in which the quality of data transmitted on a communication channel simultaneously with audio information is used to determine whether the new communication channel should be selected.



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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/23952

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04Q 7/20

US CL : 455/464

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. : Please See Continuation Sheet

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	US 5,590,156 A (CARNEY) 31 December 1996 (31.12.1996), Figures 1, 6-7, column 6, lines 45-47.	1-3
Y	US 5,594,776 A (DENT) 14 January 1997 (14.01.1997), Figures 2, 3, 9, abstract, column 2, lines 44-53, column 3, lines 40-67, column 8, lines 35-55.	4-17
Y	US 5,363,426 A (NYHART) 08 November 1994 (08.11.1994), column 6, lines 22-26.	4-17

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

PCT/US03/23952

Continuation of B. FIELDS SEARCHED Item 1:

455/464, 462, 465, 450-452.2, 509, 511, 513, 516, 67.11, 67.7, 179.1, 226.1-226.4, 517, 566, 414.1; 370/494, 493, 529, 527

Continuation of B. FIELDS SEARCHED Item 3:

EAST TEXT SEARCH:

Search terms: voice, data, simultaneous, transmission, channels, time slots, allocate.