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(71) Applicant (for all designated States except US): CISCO TECHNOLOGY, INC. [US/US]; 170 West Tasman Drive, San Jose, CA 95134 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): CHU, Steve, C. [US/US]; 851 28th Avenue, San Francisco, CA 94121 (US).

(74) Agents: BEREZNAK, Bradley, J. et al.; Burgess & Bereznak, LLP, Suite 180, 800 West El Camino Real, Mountain View, CA 94040 (US).

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(54) Title: HANDHELD COMMUNICATIONS DEVICE WITH AUTOMATIC ALERT MODE SELECTION

(57) Abstract: Apparatus for automatically alerting a user of a handheld communications device of an incoming transmission includes a plurality of sensors each of which produces a signal indicative of a physical parameter of a surrounding environment of the handheld communications device. Also included is a processor that executes a programmed set of instructions to determine an optimal alert mode setting based on a combination of the sensor signals. A plurality of output units produces one or more sensory alert outputs in response to the optimal alert mode setting. It is emphasized that this abstract is provided to comply with the rules requiring an abstract that will allow a searcher or other reader to quickly ascertain the subject matter of the technical disclosure. It is submitted with the understanding that it will not be used to interpret or limit the scope or meaning of the claims.



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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/39278

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC: H04B 1/38( 2007.01);H04M 1/00( 2007.01)  
H04Q 7/20( 2007.01)

USPC: 455/567,456.1

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. : 455/567,456.1

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)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category *  | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No.                                |
|-------------|--|--|
| X<br>—<br>Y | U.S. 2002/0010008 A1 (BORK et al) 24 January 2002, paragraphs 10-11, 18, and 38.   | 1-15, 19-24, and 26-30<br>-----<br>16-18, 25, and 31 |
| Y           | US 6526293 B1 (Matsuo) 25 February 2003 (25.2.2003), column 8, lines 15-22.        | 18   |
| Y           | US 20020086680 A1 (Hunzinger) 04 June 2002 (04.06.2002), paragraph 6.              | 16-17, 25, and 31                                    |

Further documents are listed in the continuation of Box C.

See patent family annex.

| * Special categories of cited documents: |   | "T"  |
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| "A"                                      | document defining the general state of the art which is not considered to be of particular relevance  | 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  |
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|  |   | "&"  |
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Name and mailing address of the ISA/US  
Mail Stop PCT, Attn: ISA/US  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
Facsimile No. (571) 273-3201

Authorized officer

George Eng  
Telephone No. 571-272-2600

Jacqueline A. Whitfield  
Special Project Asst. *JW*