

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
7 August 2008 (07.08.2008)

PCT

(10) International Publication Number  
**WO 2008/094300 A3**

(51) International Patent Classification:  
**F41G 3/26 (2006.01)**

(21) International Application Number:  
PCT/US2007/073721

(22) International Filing Date: 17 July 2007 (17.07.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
**60/807,808** 19 July 2006 (19.07.2006) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FT, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:  
25 September 2008

(54) Title: USE OF ZIGBEE PERSONAL AREA NETWORK IN MILES MANWORN

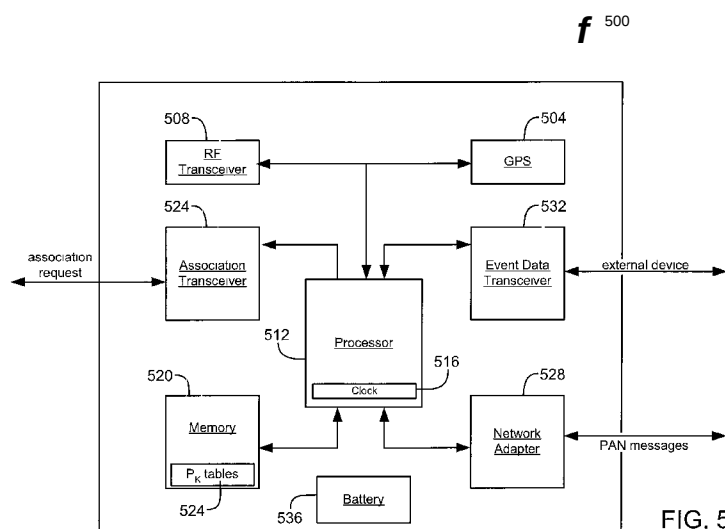


FIG. 5A

(57) **Abstract:** A wireless laser detection system for use in a military training environment and method of implementing the same are described. The wireless laser detection system includes at least one laser detector module characterized by a sensor, a decoder, and a network adapter. The laser detection system also includes a control module and a status indicator. The sensor detects an information bearing laser signal and communicates it to the decoder. The decoder extracts event data from the laser signal and sends it to the network adapter. The network adapter wirelessly transmits the event data over a personal area network to the control module. The control module processes the event data and stores it in a memory. The control module also optionally downloads the stored event data to an external device.

# INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/073721

| <p>A CLASSIFICATION OF SUBJECT MATTER</p> <p>IPC(8) - F41G 3/26 (2008.01 )</p> <p>USPC - 434/22</p> <p>According to International Patent Classification (IPC) or to both national classification and IPC</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |   |                                                                    |                          |   |  |              |   |                                                                                                                                                                                                                                                                                                                         |             |
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| <p>B. FIELDS SEARCHED</p> <p>Minimum documentation searched (classification system followed by classification symbols)</p> <p>IPC(8) - F41G 3/26 (2008.04)</p> <p>USPC - 434/21-22</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)</p> <p>Google, Google Patents, MicroPatent, DialogPro</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |   |                                                                    |                          |   |  |              |   |                                                                                                                                                                                                                                                                                                                         |             |
| <p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <thead> <tr> <th>Category*</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>US 5,788,500 A (GERBER) 4 August 1998 (04.08.1998) entire document</td> <td>1-2,4-14,16-23 and 25-28</td> </tr> <tr> <td>Y</td> <td></td> <td>3, 15 and 24</td> </tr> <tr> <td>Y</td> <td>LE, Designing a ZigBee-ready IEEE 802.15.4 compliant radio transceiver, in RFDESIGN, Electronic Design Group, November 2004 (11.2004), pages 42-50 (retrieved from <a href="http://rfdesign.com/mag/radio_designing_zigbeeready_ieee/">http://rfdesign.com/mag/radio_designing_zigbeeready_ieee/</a>), entire document</td> <td>3,15 and 24</td> </tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                     | Category*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Relevant to claim No | X | US 5,788,500 A (GERBER) 4 August 1998 (04.08.1998) entire document | 1-2,4-14,16-23 and 25-28 | Y |  | 3, 15 and 24 | Y | LE, Designing a ZigBee-ready IEEE 802.15.4 compliant radio transceiver, in RFDESIGN, Electronic Design Group, November 2004 (11.2004), pages 42-50 (retrieved from <a href="http://rfdesign.com/mag/radio_designing_zigbeeready_ieee/">http://rfdesign.com/mag/radio_designing_zigbeeready_ieee/</a> ), entire document | 3,15 and 24 |
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| <p><input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/></p> <table border="1"> <tr> <td> <p>• Special categories of cited documents</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"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)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </td> <td> <p>"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</p> <p>"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</p> <p>"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</p> <p>"&amp;" document member of the same patent family</p> </td> </tr> </table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                     | <p>• Special categories of cited documents</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"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)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> | <p>"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</p> <p>"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</p> <p>"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</p> <p>"&amp;" document member of the same patent family</p> |                      |   |                                                                    |                          |   |  |              |   |                                                                                                                                                                                                                                                                                                                         |             |
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| <p>Date of the actual completion of the international search</p> <p>27 June 2008</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>Date of mailing of the international search report</p> <p><b>11 JUL 2008</b></p>                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |   |                                                                    |                          |   |  |              |   |                                                                                                                                                                                                                                                                                                                         |             |
| <p>Name and mailing address of the ISA/US</p> <p>Mail Stop PCT, Attn: ISA/US, Commissioner for Patents</p> <p>P O. Box 1450, Alexandria, Virginia 22313-1450</p> <p>Facsimile No. 571-273-320 1</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>Authorized officer:</p> <p>Blaine R. Copenheaver</p> <p>PCT Hqdesk 571-272-4300</p> <p>PCT OSP: 571-272-7774</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |   |                                                                    |                          |   |  |              |   |                                                                                                                                                                                                                                                                                                                         |             |