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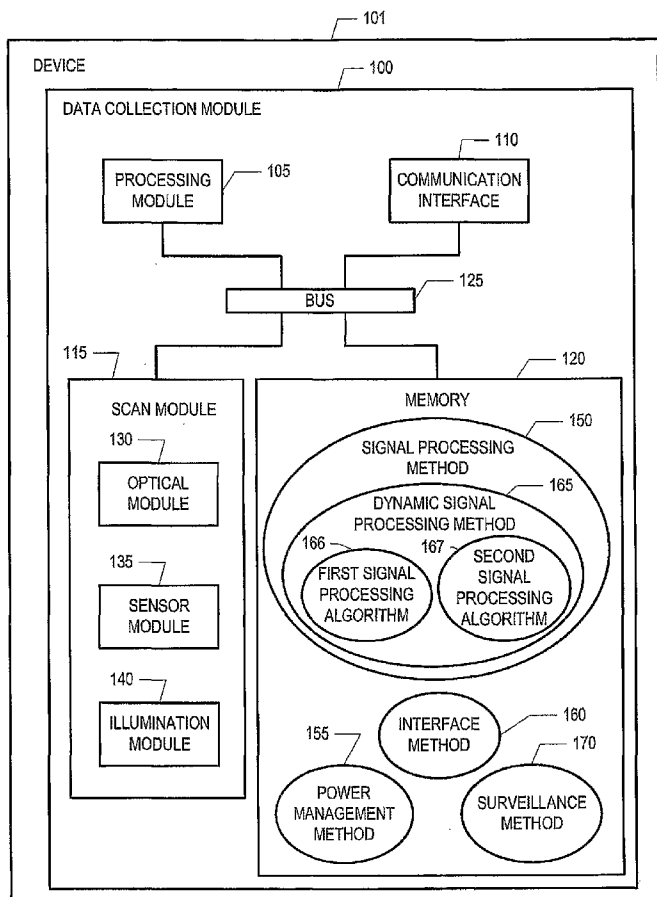
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[Continued on next page]

(54) Title: METHODS AND APPARATUS FOR DYNAMIC SIGNAL PROCESSING



(57) Abstract: Methods and apparatus for providing dynamic signal processing with, in one exemplary embodiment, a fast swipe image scanner. Dynamic signal processing comprises determining the rate of motion of a dataform, for example a barcode, which is passed in front of the scanner's data collection module. Then, based on the rate of motion, applying a signal processing method to the dataform. The complexity of the selected signal processing method used to decode the dataform can be chosen based on the detected rate of motion of the dataform. In alternate embodiments two or more algorithms are processes concurrently.

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**Declarations under Rule 4.17:**

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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/32609

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|---|--|-----------------------|
| <b>A. CLASSIFICATION OF SUBJECT MATTER</b><br>IPC: <b>G06K 7/10</b> (2006.01)<br><br>USPC: 235/462.01<br>According to International Patent Classification (IPC) or to both national classification and IPC  |  |                       |
| <b>B. FIELDS SEARCHED</b><br><br>Minimum documentation searched (classification system followed by classification symbols)<br>U.S. : 235/462.01<br><br>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched<br>NONE<br><br>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)<br>Please See Continuation Sheet |  |                       |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>   |  |                       |
| Category *  | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
| X   | US 5,754,670 A (SHIN et al) 19 May 1998 (19.05.1998) see entire document.  | 1-56                  |
| <input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.   |  |                       |
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| Date of the actual completion of the international search<br>02 March 2007 (02.03.2007)   | Date of mailing of the international search report<br><b>13 MAR 2007</b>   |                       |
| Name and mailing address of the ISA/US<br>Mail Stop PCT, Attn: ISA/US<br>Commissioner for Patents<br>P.O. Box 1450<br>Alexandria, Virginia 22313-1450<br>Facsimile No. (571) 273-3201   | Authorized officer <i>Nava M. Chapman</i><br>Jose Dees <i>for</i><br>Telephone No. 571-272-1569  |                       |

**INTERNATIONAL SEARCH REPORT**

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Continuation of B. FIELDS SEARCHED Item 3:

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