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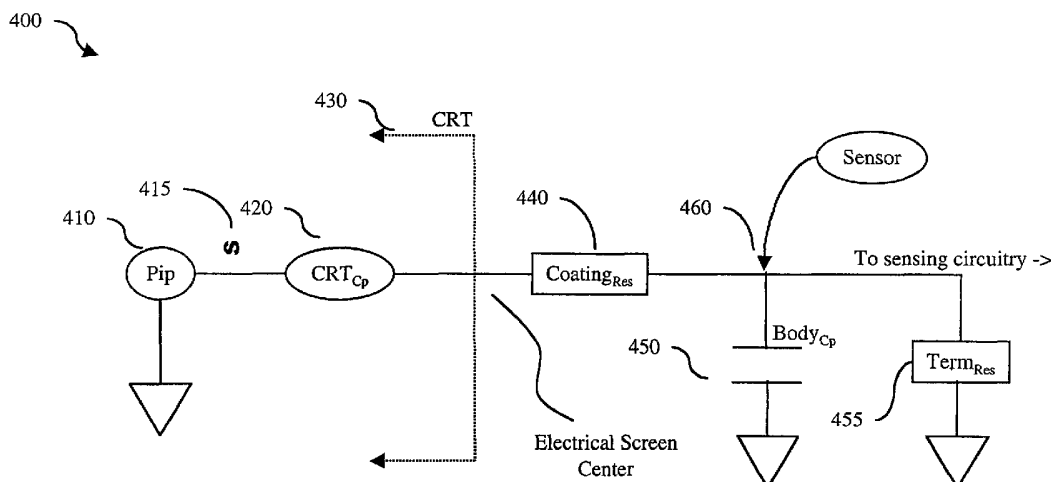
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[Continued on next page]

(54) Title: METHOD AND APPARATUS OF POSITION LOCATION



(57) Abstract: An apparatus (400) for sensing the location of user input may include a display unit including a screen having a resistive coating (440) disposed on its surface. The apparatus may utilize a sensing signal emanating from the screen through the resistive coating. A sensor array may be disposed about the screen, and sensing electronics are provided to determine the location of user input on the screen by sensing localized deviations in the amplitude of the sensing signal.



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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/US03/26425

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : G08C 21/00; G09G 5/00

US CL : 178/18.01-18.07, 19.01-19.06; 345/173-179

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)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

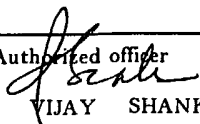
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                              | Relevant to claim No. |
|-----------|-----------------------------------------------------------------------------------------------------------------|-----------------------|
| X         | US 5,159,159 A (ASHER) 27 October 1992; summary; background; Figures 12-20; Column 12, line 3- col.18, line 56. | 1-14                  |

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

|                                                                                                                                                                         |                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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| "P" document published prior to the international filing date but later than the priority date claimed                                                                  |                                                                                                                                                                                                                                                  |

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| Name and mailing address of the ISA/US<br>Commissioner of Patents and Trademarks<br>Box PCT<br>Washington, D.C. 20231<br>Facsimile No. (703) 305-3230 | Authorized officer<br><br>VIJAY SHANKAR<br>Telephone No. (703) 305-4763 |