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[54] **COMPUTERIZED METHOD AND APPARATUS FOR TEACHING HANDWRITING**

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[58] **Field of Search** ..... 434/118, 162–166, 434/307 R, 323, 362, 155, 156, 169, 308, 322, 327, 335, 365; 395/152–154, 761, 806, 807, 803; 345/173–179; 178/18, 19; 382/312–316, 119, 120

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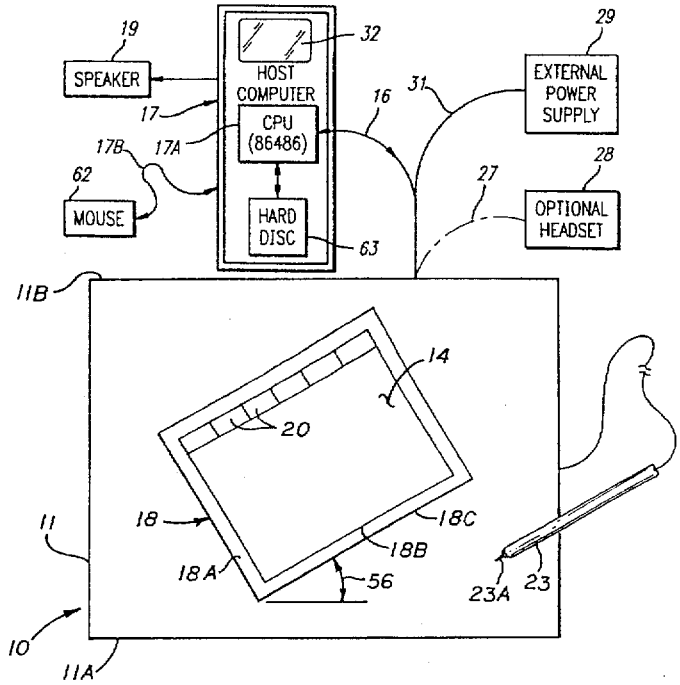
[57] **ABSTRACT**

A computerized system for teaching handwriting skills to a student displays a character to be written, prompting the student to use a digitizing pen to write the character on a digitizing surface, operating the digitizer to capture pen tilt angle, x,y coordinate values, pen tip pressure, pen tip height, and timing for each pixel. These pen stroke parameters and parameters computed therefrom, including pen tilt direction, are compared with stored corresponding "ideal" or "normal" data and the results of such comparisons are analyzed to determine whether a handwriting "process problem" exists. If so, appropriate "on the spot" corrective feedback information is generated and delivered in audible and/or visual form to the student at the times it will be most beneficial.

25 Claims, 8 Drawing Sheets

Microfiche Appendix Included
(4 Microfiche, 231 Pages)