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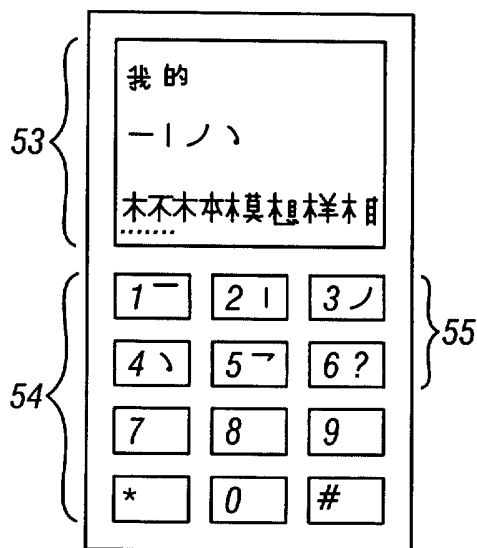
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(54) Title: COMPONENT-BASED, ADAPTIVE STROKE-ORDER SYSTEM



(57) Abstract: An efficient and simple approach to encoding ideographic characters as sequences of input strokes or stroke categories is shown in Figure 5. Each character (53) is represented by one or more sequences of one or more components (55). Each component corresponds to a plurality of alternative stroke sequences, each of which is associated with a probability that it will be the sequence which the user enters to specify the given component or character. The probability associated with the user's preferred stroke sequence is automatically increased by the system when the character is selected, thus, automatically adapting to a user's preferences.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/27455

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H03M 11/00; B41J 5/00; G09G 5/00

US CL : 341/28; 345/171; 400/110

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. : 341/28; 345/171; 400/110

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)

EAST

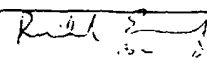
search terms: chinese, keyboard, character, probability, stroke, disambiguate

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim
A	US 6,172,625 A (JIN et al) 09 JANUARY 2001, all	1-39
A	US 6,028,959 A (WANG et al) 22 FEBRUARY 2000, all	1-39
A	US 6,014,625 A (CHEN) 11 JANUARY 2000, all	1-39
A	US 6,005,549 A (FOREST) 21 DECEMBER 1999, all	1-39
X ----- Y	US 5,109,352, A (O'DELL) 28 APRIL 1992, figure 11A and cols. 12-17	1-6, 11-12, 17, 24, 28-33, 3 and 37 ----- 13-14

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

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"A"	document defining the general state of the art which is not considered to be of particular relevance	"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
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"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)	"Z"	document member of the same patent family
"O"	document referring to an oral disclosure, use, exhibition or other means		
"P"	document published prior to the international filing date but later than the priority date claimed		

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International application No.

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,148,104 A (WANG et al) 14 NOVEMBER 2000, all	1-39
A	US 4,684,926 A (YONG-MIN) 04 AUGUST 1987, all	1-39
A	US 6,054,941 A (CHEN) 25 APRIL 2000, all	1-39
A	US 5,197,810 A (ZHANG et al) 30 MARCH 1993, all	1-39