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(54) TEXT ENTRY METHOD AND DEVICE THEREFOR

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379/368; 400/486

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See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

3,967,273				Knowlton					
4,099,246	Α	*	7/1978	Osborne et al.		708/146			
4,737,980	Α		4/1988	Curtin et al.					
4,999,795	Α		3/1991	Lapeyre					
5,124,940	Α		6/1992	Lapeyre					
5,128,672	Α		7/1992	Kaehler					
5,798,716	Α		8/1998	Davis					
5,818,437	Α		10/1998	Grover et al.					
5,861,823	Α		1/1999	Strauch et al.					
(Continued)									

FOREIGN PATENT DOCUMENTS

EP 0889388 A1 7/1999 JP 4127310 4/1992 (Continued)

OTHER PUBLICATIONS

TLS2200 Thermal Transfer Printer User's Guide, 2000 Brady Worldwide, Inc. 93 pages.

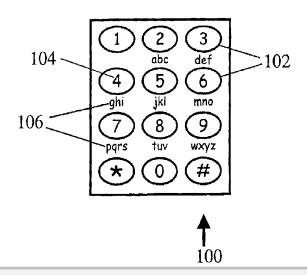
(Continued)

Primary Examiner — Albert Wong

(57) ABSTRACT

A method and device for improved character input are described, wherein the method employs a keypad 100 comprising keys 102 able to display secondary characters 106 in addition to primary characters 104. The keypad has a default display state. A first key selection causes the keypad 100 to display secondary characters 106 associated with the first key on other keys 102, whereupon a second key selection causes the displayed character to be input, following which the keypad reverts to displaying the default state. Further secondary characters 200 may also be displayed after a first key selection. The method is particularly useful for handheld devices such as mobile radio telephones or handheld computers adapted to implement the method of the invention.

16 Claims, 6 Drawing Sheets





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(56)	References Cited			2000172417 2001125720		6/2000 5/2001			
	U.S. PATENT	DOCUMENTS	JР JP JP	4019512 04999794	A	10/2007 8/2012			
	5,952,952 A 9/1999	Balakrishnan et al 341/20 Choi et al.	WO WO	200214996 WO 0214996	A1	2/2002 2/2002	G06F 3/00		
	6,009,444 A 12/1999 6,016,142 A 1/2000	Chang et al.	OTHER PUBLICATIONS						
		Guttag et al. Laakkonen Schneider-Hufschmidt et al.	Masui, "An Efficient Text Input Method for Pen-Based Computers",						
	6,271,835 B1 8/2001	Nowlan et al. Proceedings of the ACM Conference on Human Factor Hoeksma							
	6,295,052 B1 9/2001 6,359,572 B1 3/2002 6,473,006 B1 10/2002	Kato et al. Vale Yu et al.		em, Apr. 1998, p. 32 Abstracts of Japan, Or			Adjacent Character Dis-		
	6,686,902 B2 2/2004		play Ke	yboard," Publication	No.	07200120,	Apr. 8, 1995, Applica-		
	FOREIGN PATENT DOCUMENTS			tion No. 05355185, Dec. 28, 1993.					
JP JP				* cited by examiner					



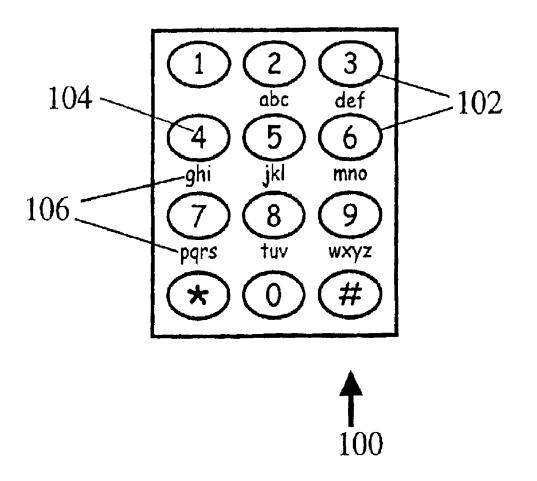


Fig. 1



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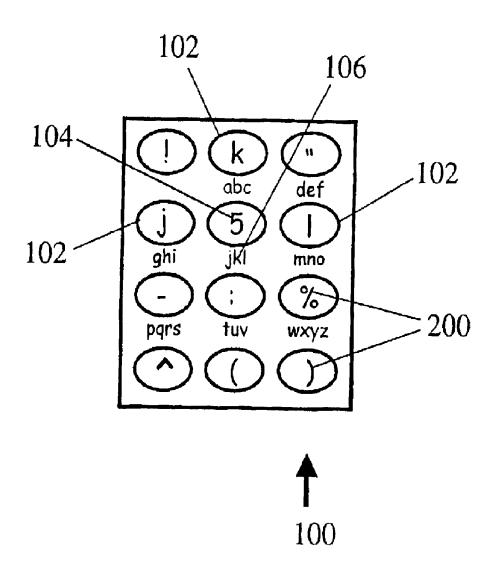


Fig. 2



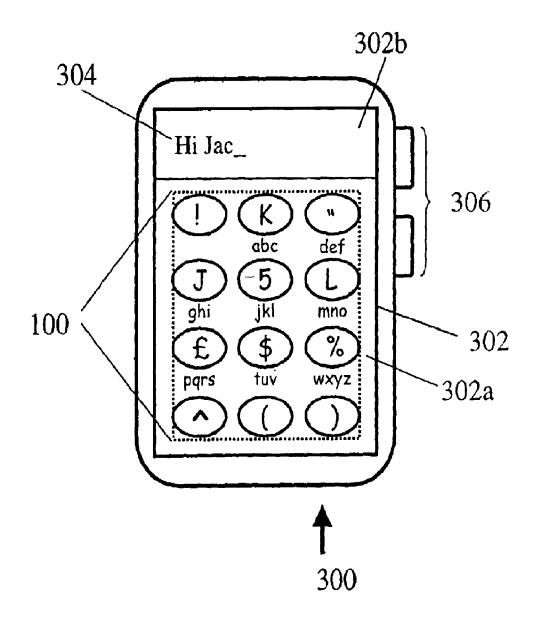


Fig. 3



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