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(54) Title: A SYSTEM AND METHOD OF INPUTTING DATA INTO A COMPUTING SYSTEM

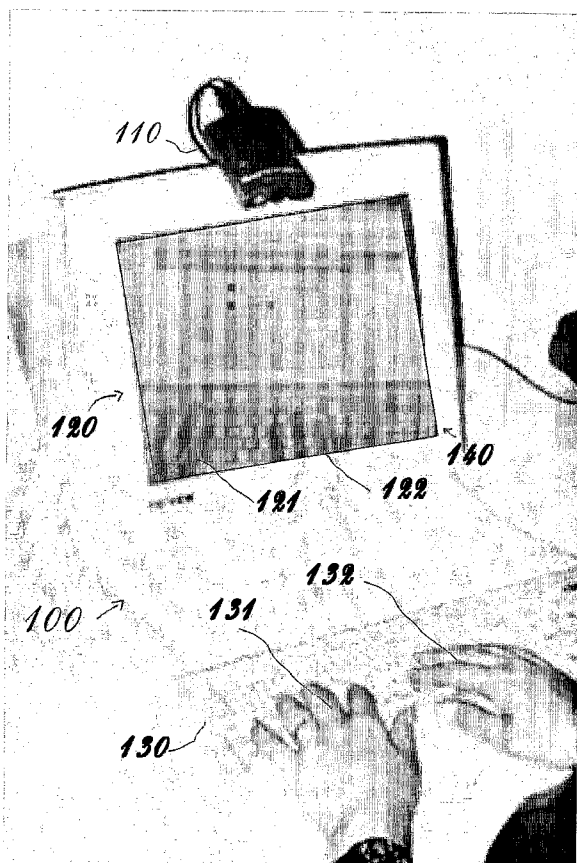


FIG. 1A

(57) Abstract: A system and method are provided to enable data entry into a computing system. The system may include a controller functionally coupled to an image acquisition device and adapted to set a map of an input key, or an entire keyboard layout, based on acquired image(s) captured by the image acquisition device. The system may capture images of user movements and/or gestures in a selected field of view, and may process these images to identify and execute commands in accordance with the movements.

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A. CLASSIFICATION OF SUBJECT MATTER

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USPC: 345/156,168

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. : 345/156,168

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 database

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, P	US 7,042,442 B1 (KANEVSKY ET AL.) 09 May 2006 (09.05.2006), column 2, line 38 through column 7, line 10.	1-34
X, P	US 7,084,857 B2 (LIEBERMAN ET AL.) 01 August 2006 (01.08.2006), column 9, line 31 through column 18, line 5.	1-34
X, T	US 7,242,388 B2 (LIEBERMAN ET AL.) 10 July 2007 (10.07.2007), column 12, line 28 through column 30, line 5.	1-34
X, T	US 2007/0063979 A1 (TRAN) 22 March 2007 (22.03.2007), item [0012] through item [0047].	1-34
X, T	US 2008/0018591 A1 (PITTEL ET AL.) 24 January 2008 (24.01.2008), item [0026] through item [0062].	1-34
X, T	US 2008/0042981 A1 (KATZ) 21 February 2008 (21.02.2008), item [0038] through item [0047].	1-34

Further documents are listed in the continuation of Box C.

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"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	"&"	document member of the same patent family

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