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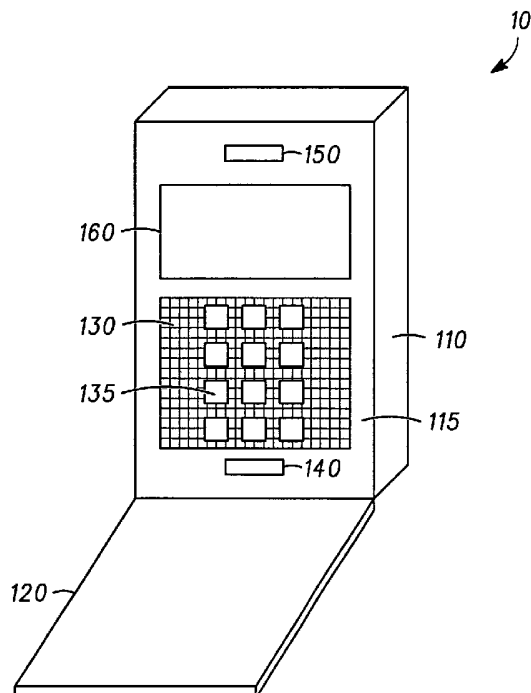
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[Continued on next page]

(54) Title: MOBILE COMMUNICATION DEVICE INCLUDING AN ARRAY SENSOR



(57) Abstract: An apparatus and method utilizing a mobile communication device including an array sensor (figure 1). The apparatus can include a first housing (110), a second housing (120), and an array sensor (130). The apparatus may further include a controller (410) coupled to the array sensor (130). The controller (410) may include a field change sensing module (610) configured to sense a change in a field across the array sensor (130) and a parameter of operation adjustment module (620) configured to adjust a parameter of operation of the apparatus based on a position of the second housing. The method can include the steps of sensing a position of the second housing and adjusting a sensitivity of the array sensor based on the position of the second housing.



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A. CLASSIFICATION OF SUBJECT MATTER																						
IPC(7) : H04M 1/00																						
US CL : 455/346, 347, 348, 349, 550.1, 556.1, 556.2, 557; 345/169, 174, 175																						
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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.																				
Y	US 6,226,501 B1 (WEADON et al) 1 May 2001 (1.05.2001) abstract, figures 2, 4a-4c and C2, L55 to C4, L9	1-40																				
Y	US 5,565,658 A (GERPHEIDE et al) 15 October 1996 (15.10.1996) Abstract and figures 1-8	1, 3-6, 8-11, 13-15, 19, 21, 31																				
Y	US 6,243,080 B1 (MOLNE) 5 June 2001 (05.06.2001) Abstract and figures 1,6 and C2, L5-4	1-2, 4-6, 8-11, 13-15, 19-21, 26, 28, 32																				
Y	US 6,149,442 A (ENRIGHT) 21 November 2000 (21.11.2000) Abstract and figures	7, 12, 27, 3-34																				
Y	US 5,335,368 A (TAMURA) 02 August 1994 (02.08.1994) Abstract	16-17, 29																				
Y	WO97/23016 (HILSENATH) 26 June 1997 (26.06.1997) Abstract and figures 1-5	18, 29																				
Y	US 6,262,717 B1 (DONOHUE et al) 17 July 2001 (17.07.201) Abstract, figures 1-9 and C2, L40 to C4, L63, C3, L63-65 (feedback reads on auditory, display message, etc.).	37-40																				
Y	6,081,259 A (TETERWAK) 27 June 2000 (27.06.2000) Abstract, figures 1-5a and CC1, L18 to C2, L27	36																				
Y	US 5,995,373 A (NAGAI) 30 November 1999 (30.11.1999) abstract and figures 1-6	35																				
☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.																						
* Special categories of cited documents: <table border="0"> <tr> <td>"A"</td> <td>document defining the general state of the art which is not considered to be of particular relevance</td> <td>"T"</td> <td>later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E"</td> <td>earlier application or patent published on or after the international filing date</td> <td>"X"</td> <td>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</td> </tr> <tr> <td>"L"</td> <td>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)</td> <td>"Y"</td> <td>document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O"</td> <td>document referring to an oral disclosure, use, exhibition or other means</td> <td>"&"</td> <td>document member of the same patent family</td> </tr> <tr> <td>"P"</td> <td>document published prior to the international filing date but later than the priority date claimed</td> <td></td> <td></td> </tr> </table>			"A"	document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E"	earlier application or patent published on or after the international filing date	"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	"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)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family	"P"	document published prior to the international filing date but later than the priority date claimed		
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INTERNATIONAL SEARCH REPORT

PCT/US03/11763

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	US 5,396,351 A (GESSEL) 7 March 1995 (07.03.1995) Abstract and figures and C3, L5-14 and C8, L54-68	40
Y	US 5,742,894 A (JAMBHEKAR et al) 21 April 1998 (21.04.1998) abstract and figures	1-40
T	US 6,573,886 B1 (LEHTINEN et al) 3 June 2003 (03.06.2003) Abstract and figures	1-40
Y	US 6,006,117 A (HAGELTORN et al.) 21 December 1999 (21.12.1999) abstract and figures	16-18, 29-30