(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 22 September 2005 (22.09.2005)

(10) International Publication Number WO 2005/088431 A3

(51) International Patent Classification⁷: G06F 3/023

(21) International Application Number:

PCT/IB2005/000614

(22) International Filing Date: 11 March 2005 (11.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

10/800,204 12 March 2004 (12.03.2004)

(71) Applicant and

(72) Inventor: VAN DER HOEVEN, Steve [BE/MC]; 7/9 Avenue de Grande Bretagne, 98000 Monaco (MC).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

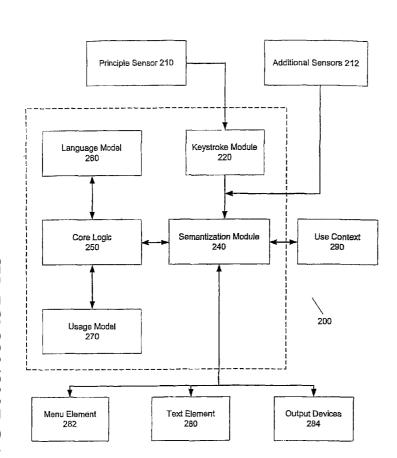
Published:

with international search report

(88) Date of publication of the international search report: 16 February 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: APPARATUS METHOD AND SYSTEM FOR A DATA ENTRY INTERFACE



(57) Abstract: Apparatuses, methods and systems for the efficient entry of data on a device with a restricted set of input channels are disclosed. These apparatuses, systems and methods may employ a user interface which allows efficient entry of input. This interface may be tailored according to the device with which it is used, and the semantic meaning associated with the interface. To assist in the efficient entry of data, these apparatuses, systems and methods may disambiguate user input, provide an efficient way to specify the input exactly, or predict user input. These apparatuses, systems and methods may also adapt to the proclivities of a certain user, and incorporate user defined abbreviations and synonyms for frequently used inputs.

RNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G06F3/023

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ccc} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{G06F} \end{array}$

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 practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCON	IENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of t	he relevant passages	Relevant to claim No.
X	US 6 104 317 A (PANAGROSSI ET 15 August 2000 (2000-08-15) column 2, line 32 - column 3, figures 1-6		1-23
X	US 6 378 234 B1 (LUO CHING-HS) 30 April 2002 (2002-04-30) column 3, line 48 - column 4, column 7, line 46 - column 8, column 9; figures 1-16	1-23	
X	US 6 286 064 B1 (KING MARTIN 1 4 September 2001 (2001-09-04) column 5, line 66 - column 6, column 32, line 58 - column 33	line 12	1-23
X Fur	ther documents are listed in the continuation of box C.	/ χ Patent family members are	listed in annex.
° Special c *A° docum consi "E' earlier filing "L" docum which citatic "O" docum other *P" docum	ategories of cited documents: nent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another on or other special reason (as specified) lent referring to an oral disclosure, use, exhibition or means lent published prior to the international filing date but than the priority date claimed	"T" later document published after to repriority date and not in conflicited to understand the princip invention "X" document of particular relevance cannot be considered novel or involve an inventive step when "Y" document of particular relevance cannot be considered to involve document is combined with on ments, such combination being in the art. "&" document member of the same	ict with the application but le or theory underlying the e; the claimed invention cannot be considered to the document is taken alone e; the claimed invention e an inventive step when the e or more other such docugo by one of the claimed invention of the such docugo by one of the claimed invention of the such docugo by one of the claimed invention of the claimed invent
	actual completion of the international search	Date of mailing of the internation	nal search report
Date of the	l5 September 2005	21/09/2005	
	to depocimeer 2005		

INTRNATIONAL SEARCH REPORT

International Application No
PCT/IB2005/000614

		PCT/1B2005/000614					
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT							
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.					
X	WO 02/095524 A (KONINKLIJKE PHILIPS ELECTRONICS N.V) 28 November 2002 (2002-11-28) page 5, line 26 - line 30 page 6, line 18 - line 30 figure 3	1-23					
A	DE 100 12 671 A1 (GUETTER, HANS-PETER) 27 September 2001 (2001-09-27) column 1, line 21 - line 29; figure 1	4,15					
A	CLEARY J G ET AL: "DATA COMPRESSION USING ADAPTIVE CODING AND PARTIAL STRING MATCHING" IEEE TRANSACTIONS ON COMMUNICATIONS, IEEE INC. NEW YORK, US, vol. COM-32, no. 4, April 1984 (1984-04), pages 396-403, XP000938651 ISSN: 0090-6778 cited in the application the whole document	1-23					

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internation No PCT/IB2005/000614

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6104317	Α	15-08-2000	NONE		
US 6378234	B1	30-04-2002	WO	03001680 A1	03-01-2003
US 6286064	B1	04-09-2001	AT	225534 T	15-10-2002
			ΑU	727539 B2	14-12-2000
			ΑU	6037998 A	18-08-1998
			BR	9807002 A	07-08-2001
			CA	2278549 A1	30-07-1998
•			CN	1248333 A	22-03-2000
			CN	1591298 A	09-03-2005
			CN	1550966 A	01-12-2004
			DE	69808498 D1	07-11-2002
			DE	69808498 T2	12-06-2003
			DK	1010057 T3	03-02-2003
			EP	1010057 A1	21-06-2000
			ES	2186124 T3	01-05-2003
			JP	2001509290 T	10-07-2001
			PT	1010057 T	28-02-2003
			RU	2206118 C2	10-06-2003
			WO	9833111 A1	30-07-1998
			US	5953541 A	14-09-1999
WO 02095524	Α	28-11-2002	CN	1524212 A	25-08-2004
			US	2003064736 A1	03-04-2003
DE 10012671	A1	27-09-2001	NONE		