(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 30 November 2006 (30.11.2006)

(10) International Publication Number WO 2006/126055 A3

(51) International Patent Classification: *G06F 3/048* (2006.01)

(21) International Application Number:

PCT/IB2006/001330

(22) International Filing Date: 22 May 2006 (22.05.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

11/135,624 23 May 2005 (23.05.2005) US 11/249,156 12 October 2005 (12.10.2005) US

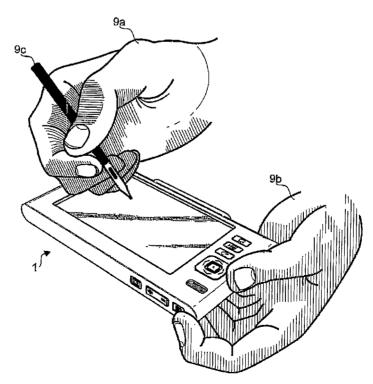
- (71) Applicant (for all designated States except US): NOKIA CORPORATION [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): PAASONEN, Juho [FI/FI]; Kuutamokatu 4 A 13, FIN-02210 Espoo (FI). MELAANVOU, Henri [FI/FI]; Tammisaarentie 78, FIN-10320 Karjaa (FI). RAINISTO, Roope [FI/FI]; Mannerheimintie 59 B 24, FIN-00250 Helsinki (FI). TOLPPANEN, Petri [FI/FI]; Forsellesintie 1-3 B 21, FIN-02700 Kauniainen (FI). PIRSKANEN, Hannu

[FI/FI]; Riipisentie 2, FIN-90450 Oulu (FI). **SAARINEN, Kalle** [FI/FI]; Hämeenpuisto 21 B 36, FIN-33210 TAM-PERE (FI). **VÄISÄNEN, Matti** [FI/FI]; Isonniitynkatu 9 F 26, FIN-00520 Helsinki (FI). **ROTO, Virpi** [FI/FI]; Tuokkostie 4 B, FIN-02710 Espoo (FI). **TAMMINEN, Eero** [FI/FI]; Raiviousuonmäki 2 A1, FIN-01620 Vantaa (FI). **SÄDE, Simo** [FI/FI]; Niittaajankatu 1 C 60, FIN-00810 Helsinki (FI). **KEKKI, Jussi-Pekka** [FI/FI]; Oravanpolku 9 C 21, FIN-33540 Tampere (FI). **JOHANS-SON, Panu** [FI/FI]; Pyynikintori 8 C 32, FIN-33230 Tampere (FI).

- (74) Agent: AWAPATENT AB; P.O. Box 5117, S-200 71 Malmö (SE).
- (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, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, 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.

[Continued on next page]

(54) Title: IMPROVED POCKET COMPUTER AND ASSOCIATED METHODS



(57) Abstract: A pocket computer is presented having an apparatus housing and a user interface with a touch-sensitive display provided at a first side surface of said apparatus housing, at least one key for navigation among content shown on said display, and at least one key for performing zooming on content shown on said display. Various methods of operating this user interface are also presented.

(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, LV, 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).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 13 September 2007

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.

A. CLASSII INV.	FICATION OF SUBJECT MATTER G06F3/048		
	o International Patent Classification (IPC) or to both national classi SEARCHED	fication and IPC	
Minimum do	ocumentation searched (classification system followed by classific	ation symbols)	
G06F			
Documentat	tion searched other than minimum documentation to the extent tha	at such documents are included in the fields so	earched
Electronic d	ata base consulted during the international search (name of data	base and, where practical, search terms used	1)
EPO-In	ternal		
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.
X	PALM INC.: "Handbook for the Pa Handheld" [Online] 2003, , XP007901882 Retrieved from the Internet: URL:http://www.palm.com/us/supp ks/zire71/zire71_hb_ENG.pdf> [retrieved on 2007-03-07] page 18 page 39 - page 40 page 76 - page 77		1-6, 39-49,56
X Furti	her documents are listed in the continuation of Box C.	X See patent family annex.	
"A" docume consid "E" earlier of filling d "L" docume which citation "O" docume other r "P" docume later th	ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another in or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or means ent published prior to the international filing date but mean the priority date claimed	"T" later document published after the inte or priority date and not in conflict with cited to understand the principle or the invention "X" document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the do "Y" document of particular relevance; the cannot be considered to involve an in document is combined with one or ments, such combined with one or ments, such combination being obviou in the art. "&" document member of the same patent	the application but early underlying the claimed invention to be considered to coment is taken alone claimed invention ventive step when the ore other such docuus to a person skilled
	actual completion of the international search	Date of mailing of the international sea	rcn report
2.	2 June 2007	09/07/2007	
Name and n	nailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Authorized officer Vieira, Alexandre	

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	AMAZON:[Online] XP002423923 Retrieved from the Internet: URL:http://www.amazon.com/PALM-P80720US-Pa lmOne-Zire-Handheld/dp/B00008WFVI> [retrieved on 2007-03-07] Establishes the release date of the handheld to which the previous citation refers to, to 23-04-2003	1-6, 39-49,56
(US 5 543 591 A (GILLESPIE DAVID [US] ET AL) 6 August 1996 (1996-08-06) abstract column 31, line 8 - column 44, line 56; figures 14-21	7-11
(US 5 995 084 A (CHAN CHOW FONG [SG] ET AL) 30 November 1999 (1999-11-30) abstract column 3, line 66 - column 4, line 36; figure 1 column 5, line 39 - line 46 column 9, line 24 - column 10, line 9; figures 1,3a,4	7–11
(US 2001/045949 A1 (CHITHAMBARAM NEMMARA [US] ET AL) 29 November 2001 (2001-11-29) abstract paragraph [0024] - paragraph [0028] paragraph [0079] - paragraph [0105]; figures 4-8	12, 17-22, 55,69-74
(US 6 570 583 B1 (KUNG SHAO-TSU [TW] ET AL) 27 May 2003 (2003-05-27) the whole document	12, 17-22, 55,69-74
(PALM INC.: "using your Treo"[Online] 2004, XP002437723 Retrieved from the Internet: URL:http://www.palm.com/us/support/handbooks/treo/treo600gsm_UG.pdf> [retrieved on 2007-06-14] page 53	13-16, 23-26, 57-68
(US 6 862 712 B1 (NAKAGAWA MASAKI [JP] ET AL) 1 March 2005 (2005-03-01) the whole document	27–34
(US 5 523 775 A (CAPPS STEPHEN P [US]) 4 June 1996 (1996-06-04) the whole document	27-34
	-/	
	,	

C(Continu	Hand DOOUBENTS CONSIDERED TO BE BUILDING	PC1/1B2006/001330
C(Continua		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 689 666 A (BERQUIST DAVID T [US] ET AL) 18 November 1997 (1997-11-18) abstract column 7, line 10 - line 34; figure 1 column 10, line 57 - column 11, line 11; figure 5 column 13, line 28 - line 45; figure 8	35-38
X	RED HAT: "Red Hat Linux 6.1: The Official Red Hat Linux Getting Started Guide, Chapter 11. The Enlightenment Window Manager"[Online] 18 October 2003 (2003-10-18), pages 1-12, XP002438642 Retrieved from the Internet: URL:http://web.archive.org/web/20031018155 954/http://www.redhat.com/docs/manuals/linux/RHL-6.1-Manual/getting-started-guide/ecapplet.html> [retrieved on 2007-06-20] page 5 - page 6; figure 11.4	35-38
X	TEXTWARE SOLUTIONS: "FitalyVirtual Options and Advanced Features"[Online] 13 March 2004 (2004-03-13), XP007902538 Retrieved from the Internet: URL:http://web.archive.org/web/20040313051 005/http://fitaly.com/fitalyvirtualt3/fitalysetup.htm#mru> [retrieved on 2007-06-18] page 7 - page 8	50-53
X	APPLE COMPUTER, INC: "Dashboard, Handy widgets at your command"[Online] 7 May 2005 (2005-05-07), XP002438838 Retrieved from the Internet: URL:http://web.archive.org/web/20050507020 223/http://www.apple.com/macosx/features/d ashboard/> [retrieved on 2007-06-22] the whole document	54
L	APPLE COMPUTER INC: "Apple Unleashes "Tiger" Friday at 6:00 p.m."[Online] 28 April 2005 (2005-04-28), XP002438839 Retrieved from the Internet: URL:http://www.apple.com/pr/library/2005/a pr/28tiger.html> [retrieved on 2007-06-22] Discloses the release date of MacOS X Tiger, comprising "Dashboard" on 29.04.2005	
	-/	

C(Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	FC1/1B2000/001330
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	NINTENDO: "Nintendo DS Technical Specs"[Online] 12 November 2004 (2004-11-12), XP002437722 Retrieved from the Internet: URL:http://web.archive.org/web/20041112133 534/http://www.nintendo.com/techspecds> [retrieved on 2007-06-12] the whole document	75–90

International application No. PCT/IB2006/001330

INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
1. X As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. X No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

- 1. claims: 1-6, 39-49, 56
- 1.1. claims: 1-6

Selecting a function associated with an application

1.2. claims: 39-49, 56

Scrolling content in a window.

2. claims: 7-11

Selecting displayed data items.

3. claims: 12, 17-22, 55, 69-74

Providing zoom functionalities.

4. claims: 13-16, 23-26, 57-68

Navigating through hyperlinks.

5. claims: 27-34

Selecting multiple items from a list.

6. claims: 35-38

Temporarily hiding windows.

7. claims: 50-53

Switching applications.

8. claim: 54

Providing utility applications.

9. claims: 75-90

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210	,1330
Providing input devices.	
	ļ

Information on patent family members

Patent document cited in search report		Publication date	Patent family member(s)		Publication date	
US 5543591	A	06-08-1996	US US	5543590 5942733		06-08-1996 24-08-1999
US 5995084	Α	30-11-1999	NONE			
US 2001045949	A1	29-11-2001	US	2007080958	A1	12-04-2007
US 6570583	B1	27-05-2003	TW	466415	В	01-12-2001
US 6862712	B1	01-03-2005	JP JP	3475235 2000259306		08-12-2003 22-09-2000
US 5523775	Α	04-06-1996	US	5583542	Α	10-12-1996
US 5689666	Α	18-11-1997	NONE			