(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 21 June 2007 (21.06.2007)

PCT

(10) International Publication Number WO 2007/069173 A3

(51) International Patent Classification: *G06F 3/048* (2006.01) *G06F 3/033* (2006.01)

(21) International Application Number:

PCT/IB2006/054721

(22) International Filing Date:

8 December 2006 (08.12.2006)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/749,476 12 December 2005 (12.12.2005) U

- (71) Applicant (for all designated States except US): KONIN-KLIJKE PHILIPS ELECTRONICS, N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (71) Applicant (for AE only): U.S. PHILIPS CORPORA-TION [US/US]; 1251 Avenue of the Americas, New York, New York 10020 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LASHINA, Tatiana [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL). BUIL, Vincent P. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

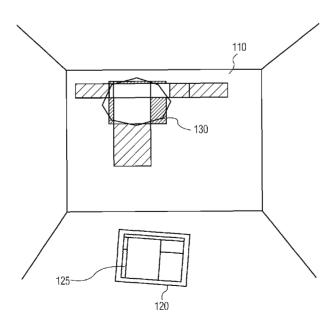
- (74) Common Representative: KONINKLIJKE PHILIPS ELECTRONICS, N.V.; c/o Piotrowski, Daniel J., P.O. Box 3001, Briarcliff Manor, NY 10510-8001 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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, 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))

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR LARGE SCREEN INTERACTIVE CONTROL USING PORTABLE TOUCH-SCREEN DEVICE



(57) Abstract: A method and apparatus for providing interactive control of information on a remotely located screen though a portable device is disclosed. The method comprises the steps of establishing a reference orientation (320) between a remotely located screen (110) and the portable device (120), the reference being associated with selected information located on the remotely located screen (110), monitoring movement (330) of the portable device (110) with regard to the reference orientation, said monitoring associating information (130) located on the remotely located screen (110), and displaying the associated information (125) on the portable device (120).



WO 2007/069173 A3



 as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

with international search report

(88) Date of publication of the international search report: 27 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.

INTERNATIONAL SEARCH REPORT

International application No PCT/IB2006/054721

A. CLASSIFICATION OF SUBJECT MATTER INV. G06F3/048 G06F3/033

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) $\mathsf{G06F}$

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, WPI Data, IBM-TDB

3, 200011.	ENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/32960 A1 (ERICSSON TELEFON AB L M [SE]) 1 July 1999 (1999-07-01) figures 1-3 page 3, line 27 - page 4, line 21 page 5, line 20 - page 7, line 6 page 7, line 30 - page 8, line 32	1-15
A	US 6 288 704 B1 (FLACK JAMES F [US] ET AL) 11 September 2001 (2001-09-11) figures 3,13 column 3, line 45 - column 4, line 20 column 5, line 45 - column 6, line 26 column 7, lines 12-64	1–15
A	US 2004/104891 A1 (SACCA FRANK [US] ET AL) 3 June 2004 (2004-06-03) paragraphs [0015], [0016], [0019]	1,5,6, 10,11,15

Further documents are listed in the continuation of Box C.	X See patent family annex.
* Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filling date '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) '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	 "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 "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 "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. "&" document member of the same patent family
Date of the actual completion of the international search 29 May 2007	Date of mailing of the international search report 05/06/2007
Name and mailing 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 Piriou, Nominoë

INTERNATIONAL SEARCH REPORT

International application No PCT/IB2006/054721

		PC1/1B2006/054/21
C(Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
А	WO 00/10077 A2 (SYMANTEC CORP [US]) 24 February 2000 (2000-02-24) page 4, line 2 - page 5, line 3 page 9, lines 2-16 page 10, line 22 - page 17, line 16; figures 2,3	1–15
A	BRAD A. MYERS, CHOON HONG PECK, JEFFREY NICHOLS, DAVE KONG, AND ROBERT MILLER: "Interacting at a Distance Using Semantic Snarfing" BRAD A. MYERS, CHOON HONG PECK, JEFFREY NICHOLS, DAVE KONG, AND ROBERT MILLER, 2001, pages 305-314, XP007902404 abstract pages 1,2 pages 4,5,6,7	1-15

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2006/054721

Patent document cited in search report		Publication date			Publication date
WO 9932960	A1	01-07-1999	AU BR CN EP SE SE US	2081499 A 9814428 A 1283285 A 1040407 A1 511516 C2 9704856 A 6411275 B1	12-07-1999 10-10-2000 07-02-2001 04-10-2000 11-10-1999 24-06-1999 25-06-2002
US 6288704	В1	11-09-2001	NONE		
US 2004104891	A1	03-06-2004	NONE		محمد بسید خصیت بیشتر سیار کنیاز جنان میشود بیشتر ب
WO 0010077	A2	24-02-2000	CA EP US	2340408 A1 1105795 A2 6710790 B1	24-02-2000 13-06-2001 23-03-2004