

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
17 July 2008 (17.07.2008)

PCT

(10) International Publication Number
WO 2008/085789 A3

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

(21) International Application Number:

PCT/US2007/089172

(22) International Filing Date:

28 December 2007 (28.12.2007)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/878,828 5 January 2007 (05.01.2007) US
11/818,466 13 June 2007 (13.06.2007) US

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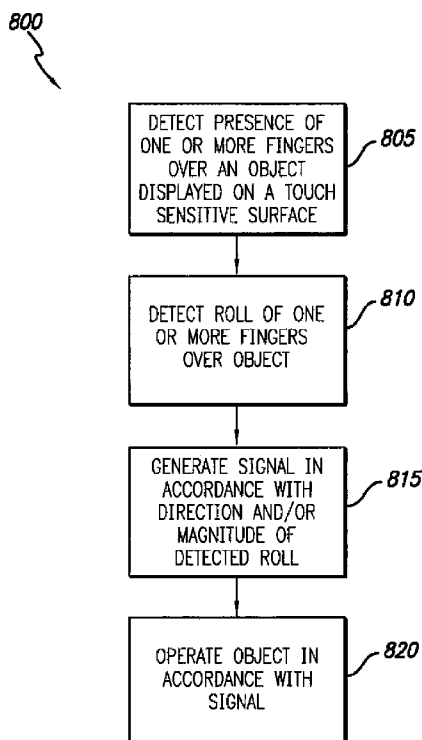
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, 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, MT, NL, PL,

[Continued on next page]

(54) Title: GESTURES FOR DEVICES HAVING ONE OR MORE TOUCH SENSITIVE SURFACES



(57) Abstract: Rolling gestures on a touch sensitive surface of a device can be used to control the device or to remotely control another device. The device detects a roll (810), determines a parameter of the roll (815) and performs an operation relating to the device or the other device based on the determined parameter (820). The touch sensitive surface of the device can be positioned on the device to enable a set of gestures for configuring the operation of the device, for operating the device and for enabling additional gestures for operating the device.

FIG. 11



PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments*

Published:

— *with international search report*

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

8 January 2009

INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/089172

A. CLASSIFICATION OF SUBJECT MATTER

INV. G06F3/048

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)

G06F H04N

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/176016 A1 (MISAWA TAKESHI [JP] ET AL) 28 November 2002 (2002-11-28) paragraphs [0035] - [0039]; [0046]; figures 1a, 1b paragraphs [0047] - [0049]; figures 6a, 6b paragraphs [0051] - [0053]; figure 7	25
X	US 2006/103633 A1 (GIOELI ANTHONY [US]) 18 May 2006 (2006-05-18) paragraph [0030] paragraph [0035]; figure 3 paragraphs [0042] - [0043]; figures 6, 7	25
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

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- *E* earlier document but published on or after the international filing date
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Date of the actual completion of the international search

14 November 2008

Date of mailing of the international search report

26/11/2008

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/089172

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2006/026535 A1 (HOTELLING STEVE [US] ET AL) 2 February 2006 (2006-02-02) paragraphs [0006] - [0013] paragraphs [0063] - [0073]; figure 1 paragraphs [0084] - [0102]; figures 2, 3a, 3b, 4, 5, 6a-6G paragraphs [0103] - [0110]; figures 7-10, 11a-11h paragraphs [0111] - [0116] figures 20, 21a-21d paragraphs [0125] - [0130]; figures 22, 23a-23c paragraphs [0131] - [0136]; figures 24, 25a-25d -----	1-14, 25-34
X	WO 97/18547 A (URE MICHAEL J [US]) 22 May 1997 (1997-05-22) page 10, line 16 - page 11, line 26; figures 3-11 page 12, line 3 - page 14, line 6 -----	1, 2, 6, 10-12, 28, 29, 32
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X	US 6 597 347 B1 (YASUTAKE TAIZO [US]) 22 July 2003 (2003-07-22) column 8, line 40 - column 10, line 11; figures 1, 2 column 16, line 12 - column 17, line 54; figures 25a, 26a-26f column 18, line 5 - line 34; figures 28a-28f column 18, line 56 - column 20, line 12; figures 30-32, 33a1-33e2 column 22, line 62 - column 27, line 41; figures 36, 37a-37p, 38a-38c, 39a-39d column 11, line 41 - column 12, line 47; figures 6, 20a, 20b, 21a, 21b -----	26, 27
A	EP 0 665 508 A (SYNAPTICS INC [US]) 2 August 1995 (1995-08-02) column 5, line 47 - line 57 column 26, line 41 - column 27, line 39 -----	28-34
A	US 2005/264538 A1 (YEH I-HAU [TW]) 1 December 2005 (2005-12-01) paragraphs [0024] - [0025]; figure 1 paragraph [0028] - paragraph [0030]; figures 4-9 -----	28-34
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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/089172

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2006/013485 A (KONINKL PHILIPS ELECTRONICS NV [NL]; VAN DE VEN RAMON E F [NL]; DESTUR) 9 February 2006 (2006-02-09) page 2, line 7 - line 24 page 3, line 3 - line 11 page 3, line 23 - page 5, line 6; figures 1-5 page 5, line 30 - page 6, line 9 -----	28-34
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2007/089172

Box No. 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:
2. ☐ 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 No. 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. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search reportcovers 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 and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☒ 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: 1-14,25-34

performing an operation on a GUI object according to finger roll movement performed above the GUI object.

2. claims: 15-24

configuring a device according to the mode of use recognised from inputs on two touch sensitive surfaces.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2007/089172

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