



(51) International Patent Classification:

G06F 3/01 (2006.01) G06F 17/30 (2006.01)
G06F 3/14 (2006.01)

(21) International Application Number:

PCT/US2012/030740

(22) International Filing Date:

27 March 2012 (27.03.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

13/077,368	31 March 2011 (31.03.2011)	US
13/076,862	31 March 2011 (31.03.2011)	US
13/077,233	31 March 2011 (31.03.2011)	US
13/077,303	31 March 2011 (31.03.2011)	US
13/077,396	31 March 2011 (31.03.2011)	US
13/077,431	31 March 2011 (31.03.2011)	US
13/077,455	31 March 2011 (31.03.2011)	US

(71) Applicant (for all designated States except US): **MICROSOFT CORPORATION** [US/US]; One Microsoft Way, Redmond, Washington 98052-6399 (US).

(72) Inventors: **HECK, Larry Paul**; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US). **CHINTHAKUNTA, Madhusudan**; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US). **MITBY, David**; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US).

STIFELMAN, Lisa; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US).

(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, CL, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, 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))

[Continued on next page]

(54) Title: COMBINED ACTIVATION FOR NATURAL USER INTERFACE SYSTEMS

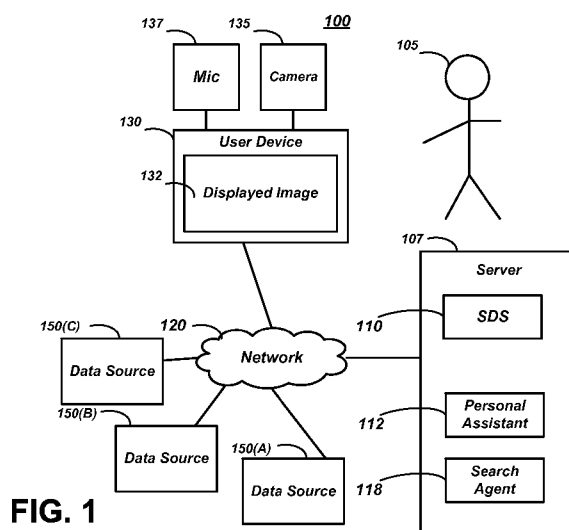


FIG. 1

(57) Abstract: A user interaction activation may be provided. A plurality of signals received from a user may be evaluated to determine whether the plurality of signals are associated with a visual display. If so, the plurality of signals may be translated into an agent action and a context associated with the visual display may be retrieved. The agent action may be performed according to the retrieved context and a result associated with the performed agent action may be displayed to the user.

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

3 January 2013

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

A. CLASSIFICATION OF SUBJECT MATTER**G06F 3/01(2006.01)i, G06F 3/14(2006.01)i, G06F 17/30(2006.01)i**

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 3/01

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: user interaction, activation, signal, translate, retrieve, display, agent action, visual display, context, gesture, result, perform

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US20100217604 A1 (LARRY BALDWIN et al.) 26 August 2010	1-4,6-10
A	See abstract, paragraphs [0009],[0049]-[0052],[0054], claims 1,5-8, and figure 3	5
Y	US20100281435 A1 (SRINIVAS BANGALORE et al.) 04 November 2010	1-4,6-10
A	See abstract, paragraphs [0005]-[0006],[0048]-[0051], claims 1,6,13-14, and figures 3A-3D,4	5
A	US5748974 A (DAVID EDWARD JOHNSON) 05 May 1998	1-10
	See abstract, column 4, line 64 - column 5, line 2, claim 1, and figure 3	
A	US5265014 A (NICHOLAS HADDOCK et al.) 23 November 1993	1-10
	See abstract, column 2, lines 53-67, column 3, lines 10-30, claims 19-31, and figure 5	



Further documents are listed in the continuation of Box C.



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 application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of 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

31 OCTOBER 2012 (31.10.2012)

Date of mailing of the international search report

01 NOVEMBER 2012 (01.11.2012)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
189 Cheongsa-ro, Seo-gu, Daejeon Metropolitan
City, 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

Yoon Young Jin

Telephone No. 82-42-481-8533



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2012/030740

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US20100217604 A1	26.08.2010	EP 2399255 A1 JP 2012-518847 A WO 2010-096752 A1	28.12.2011 16.08.2012 26.08.2010
US20100281435 A1	04.11.2010	None	
US5748974 A	05.05.1998	JP 08-235185 A	13.09.1996
US5265014 A	23.11.1993	None	