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[Continued on next page]

(54) Title: MULTI-INPUT GESTURES IN HIERARCHICAL REGIONS

(57) Abstract: This document describes techniques and apparatuses for multi-input gestures in hierarchical regions. These techniques enable applications to appropriately respond to a multi-input gesture made to one or more hierarchically related regions of an application interface.

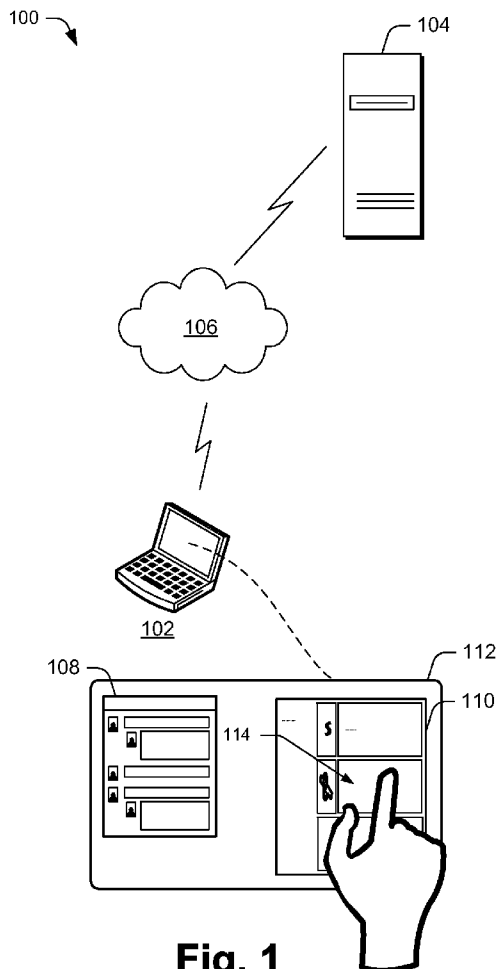


Fig. 1



One Microsoft Way, Redmond, Washington 98052-6399 (US).

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(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, 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))

Published:

- with international search report (Art. 21(3))
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/035314**A. CLASSIFICATION OF SUBJECT MATTER****G06F 3/01(2006.01)i, G06F 3/048(2006.01)i, G06F 9/44(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; G06F 3/048; G06F 17/00; G06F 3/041

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: multi, touch, gesture, region, target

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2009-0284488 A1 (SIP KIM-YEUNG) 19 November 2009 See paragraphs [0019]-[0021], claim 1, and figures 2-4.	1-10
A	US 2008-0297482 A1 (WEISS JOHN GUIDO ATKINS) 04 December 2008 See paragraphs [0035]-[0069], claim 1, and figures 1a-1j.	1-10
A	US 6643824 B1 (CARY LEE BATES et al.) 04 November 2003 See column 9 line 38 - column 10 line 15, claim 1, and figures 9-12.	1-10
A	US 2010-0042933 A1 (RAGUSA BRIAN V.) 18 February 2010 See paragraphs [0022]-[0036],[0049]-[0053], claim 1, and figures 1,3.	1-10

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Date of the actual completion of the international search

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Date of mailing of the international search report

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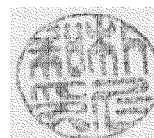
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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US 2010-0042933 A1	18.02.2010	None	