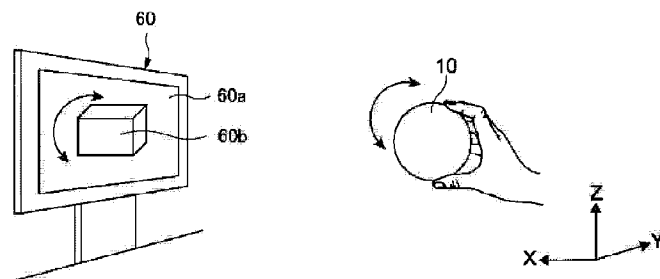




- (51) **International Patent Classification:**
G06F 3/01 (2006.01) **G06F 3/0346** (2013.01)
G06F 3/0485 (2013.01)
- (21) **International Application Number:**
PCT/JP2013/002189
- (22) **International Filing Date:**
29 March 2013 (29.03.2013)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
2012-094894 18 April 2012 (18.04.2012) JP
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- (74) **Agent:** OMORI, Junichi; 2nd Floor U&M Akasaka Bldg., 7-5-47 Akasaka, Minato-ku, Tokyo, 1070052 (JP).
- (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, BN, 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, 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, PA, 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, 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).
- Published:**
- 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))
- (88) **Date of publication of the international search report:**
17 July 2014

(54) **Title:** CONTROL APPARATUS AND METHOD FOR DISPLACEMENT OF VIRTUAL OBJECT AND USER FEEDBACK

FIG.16A



(57) **Abstract:** A control apparatus comprising a processor, a memory, and a communication circuit configured to communicate with an input apparatus is provided. The memory device stores instructions which when executed by the processor, causes the processor to receive displacement information from the input apparatus, and at least one of: (i) generate a displacement value for displacing an operation target on a display based on the displacement information, wherein a first set of instructions is used to calculate the displacement value if the displacement information is within a predetermined range, and a second set of instructions is used to calculate the displacement value if the displacement information is outside the predetermined range; and (ii) transmit a feedback signal to the input apparatus at a timing based on the displacement information, wherein the timing is calculated differently if the displacement information is within the predetermined range than if the displacement information is outside the predetermined range.

INTERNATIONAL SEARCH REPORT

International application No

PCT/JP2013/002189

A. CLASSIFICATION OF SUBJECT MATTER

INV. G06F3/01 G06F3/0485 G06F3/0346
 ADD.

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 G08C

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 practicable, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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	paragraphs [0035] - [0067]	2,3,8,9

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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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"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

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Date of the actual completion of the international search

20 May 2014

Date of mailing of the international search report

28/05/2014

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INTERNATIONAL SEARCH REPORT

International application No

PCT/JP2013/002189

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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International application No

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