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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, 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, RO, RS, RU, 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.
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[Continued on nextpage]

(54) **Title:** VISUALIZING EXPRESSIONS FOR DYNAMIC ANALYTICS

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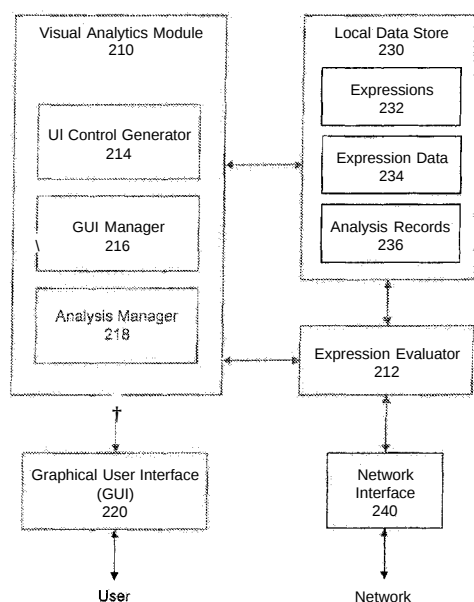


FIG. 2

(57) **Abstract:** Embodiments relate to a computer-implemented method for visualizing expressions for dynamic analytics. A graphical user interface control is generated for each of one or more variables of an expression. Each of the one or more variables is bound to the corresponding graphical interface control generated previously. Then, the generated graphical user interface control for each of the one or more variables of the expression is graphically output using a display device. A user may input an adjusted value of each of the one or more variables of the expression using the corresponding graphical user interface control.



SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

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PCT/US20 11/043075**A. CLASSIFICATION OF SUBJECT MATTER****G06F 3/14(2006.01)i, G06F 3/048(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 3/14; G06F 19/00; G06F 17/60; G06Q 10/00

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: end user, analysis, graphical, visual, present, UI, user interface, graphical user interface, expression, variable, data, modify, execute, application.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	wo 03-81492 A1 (MITSUBISHI ELECTRIC CORPORATION et al.) 02 October 2003 See claims 1-25 .	1-21
A	JP 2005-182559 A (HITACHI LTD.) 07 July 2005 See claims 1-6 .	1-21
A	JP 2007-011990 A (HITACHI LTD.) 18 January 2007 See paragraphs [0011]—[0019] and claims 1-7 .	1-21
A	KR 10-2007-0013663 A (SAMSUNG S.D.S CO., LTD.) 31 January 2007 See the abstract and pages 3-6 .	1-21

☐ 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

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"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

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"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

08 FEBRUARY 2012 (08.02.2012)

Date of mailing of the international search report

09 FEBRUARY 2012 (09.02.2012)

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2011/043075

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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