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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, 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, IR, IS, JP, KE, KG, 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, SA, 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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(88) **Date of publication of the international search report:**
30 April 2015

(54) **Title:** THREE-DIMENSIONAL SPACE FOR NAVIGATING OBJECTS CONNECTED IN HIERARCHY

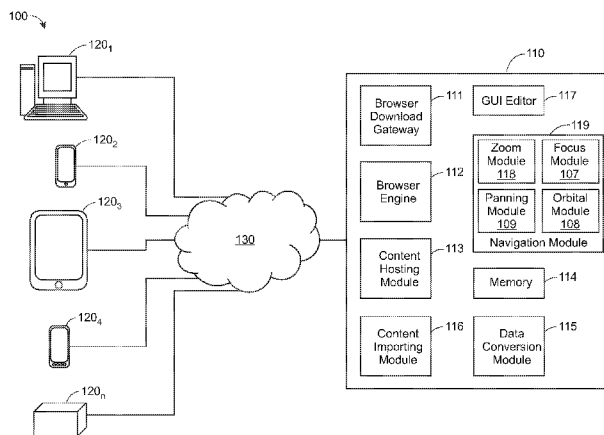


FIG. 1

(57) **Abstract:** Disclosed herein are systems, methods, and non-transitory computer-readable storage media for browsing objects organized in a hierarchy using a three-dimensional user interface. Some embodiments of the present technology involve a platform that renders an interface that represents objects that are hierarchically connected in three-dimensional space and that allows navigation through the hierarchy by moving through the three-dimensional space.

WO 2014/140881 A3

INTERNATIONAL SEARCH REPORT

International application No PCT/IB2014/001085

A. CLASSIFICATION OF SUBJECT MATTER
INV. G06F3/0481
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

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

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2009/158310 A2 (MICROSOFT CORP [US]) 30 December 2009 (2009-12-30) page 1 - page 12 -----	1-8
X	US 2006/015824 A1 (CHRYSANTHAKOPOULOS GEORGIOS [US]) 19 January 2006 (2006-01-19) page 1 - page 8 -----	1-8
X	US 2006/164409 A1 (BORCHARDT JONATHAN M [US] ET AL) 27 July 2006 (2006-07-27) page 1 - page 7 -----	1-8
X	US 2001/028369 A1 (GALLO ANTHONY CARMEN [CA] ET AL) 11 October 2001 (2001-10-11) page 1 - page 10 -----	1-8

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

* Special categories of cited documents :

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> | <p>"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</p> <p>"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</p> <p>"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</p> <p>"&" document member of the same patent family</p> |
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Date of the actual completion of the international search

18 November 2014

Date of mailing of the international search report

06/02/2015

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2014/001085

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 all searchable 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 report covers 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.:

see additional sheet(s)

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: 1-8

A system for graphical user interface which seems to be characterized in that the GUI is renders the content in 3D and that the zoom functionality is provided.
The problem to be solved by the claims appears to be how to provide a man-machine interface.

2. claims: 9-15

A system for processing data, which seems to be characterized in that the data is analyzed and appropriate rendering software is downloaded.
The problem to be solved by these claims appears to be provision of software for rendering the data.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/IB2014/001085

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