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Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR MANAGING GENOMIC TESTING RESULTS

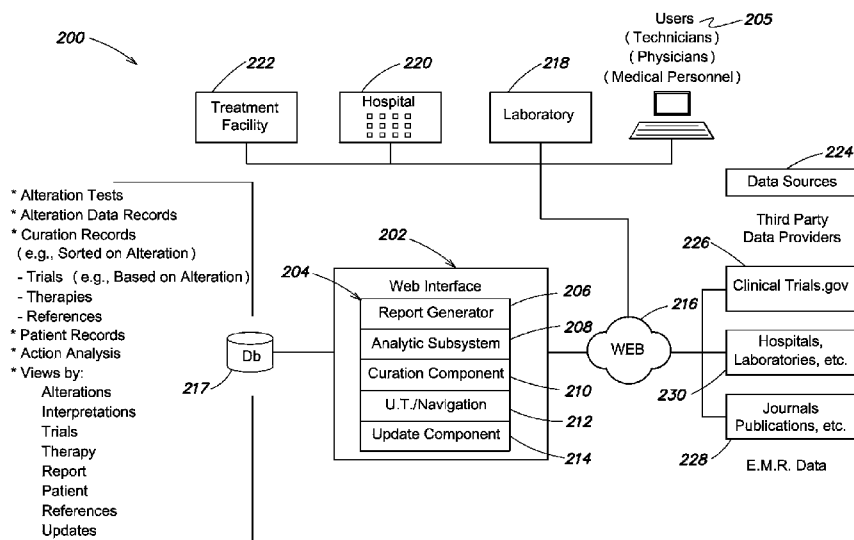


FIG. 2

(57) Abstract: Various embodiments provide interfaces to access genomic testing information and incorporate it into daily physician practice. In some embodiments, presentation of genomic alteration data is simplified and/or coupled with contextual applications. Volumes of genomic alterations and associated information (e.g., journal articles, clinical trial information, therapies, etc.) are analyzed and synthesized into actionable information items viewable on an alteration system. According to one embodiment, the system can be configured to focus practitioners on discrete portions of the alteration information on which they can act. According to other aspects, curated information is provided on the system to enable practitioners to make informed decisions regarding the implications of the presence of specific genomic alterations.



- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))* — *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))*

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28 August 2014

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2014/010125**A. CLASSIFICATION OF SUBJECT MATTER****G06F 19/18(2011.01)i, G06F 19/10(2011.01)i, C12Q 1/68(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 19/18; G09B 19/00; G06F 17/60; G01N 33/50; C12Q 1/68; G06F 19/10

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: genomic, tumor, gene, cancer, test result, report, user interface, select, display, and similar terms.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	US 2002-0052761 A1 (CHRISTOPHER T. FEY et al.) 02 May 2002 See paragraphs [0007]-[0008], [0016]-[0019], [0025], [0043]-[0054], and [0068]-[0083]; claims 1, 5, 8, and 10-11; and figures 1-4.	1-12, 25-33, 35-45 , 56-67, 80-88 , 90-100, 102-104 47-55, 105-111, 113
Y A	US 2003-0113756 A1 (LAWRENCE MERTZ) 19 June 2003 See paragraphs [0002], [0009], [0011], [0013], [0029], [0057], and [0065]-[0067]; claims 1 and 17; and figures 2A-2B.	1-12, 25-33, 35-45 , 56-67, 80-88 , 90-100, 102-104
A	US 2006-0004526 A1 (ANDREW G. HADD et al.) 05 January 2006 See paragraphs [0093]-[0114]; claim 1; and figures 5-6.	1-12, 25-33, 35-45 , 47-67, 80-88 , 90-100, 102-111 , 113
A	US 2005-0026117 A1 (RICHARD S JUDSON et al.) 03 February 2005 See paragraphs [0102]-[0166] and figures 3-4.	1-12, 25-33, 35-45 , 47-67, 80-88 , 90-100, 102-111 , 113

☒ 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

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"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

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Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2014/010125

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003-0046114 A1 (RICHARD J. DAVIES et al.) 06 March 2003 See paragraphs [0054]–[0056] and figures 2–3.	1–12, 25–33, 35–45 , 47–67, 80–88 , 90–100, 102–111 , 113

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2014/010125

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.: 14-24, 69-79
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:
The claims 14-24 are considered to be unclear because they refer to claim 13 that does not comply with PCT Rule 6.4(a).
The claims 69-79 are considered to be unclear because they refer to claim 68 that does not comply with PCT Rule 6.4(a).

3. ☒ Claims Nos.: 13, 34, 46, 68, 89, 101, 112
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:

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 any 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.:

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.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2014/010125

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