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[Continued on next page]

(54) Title: METHOD FOR DETECTING HYDROCARBON ACCUMULATIONS

(57) Abstract: The described method and system assist an interpreter in analyzing seismic (702), geophysical, or geoscience data. In particular, the method and system includes defining a conceptual model (712) of subsurface hydrocarbon accumulations; defining an interpretational model (710) linking observations to concepts; obtaining and entering observations into a database; querying the database (714) for instances of particular concepts or classifying observations with regard to different concepts; and repetition of the above steps for additional iterations.

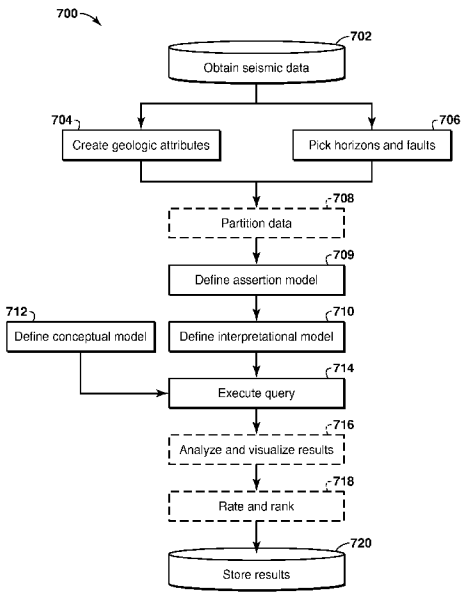


FIG. 7

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TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, 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))*

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US13/57854

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - G06G 7/48 (2014.01)
USPC - 703/10
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)
IPC(8): G06F 19/00; G06G 7/48; G06T 15/00 (2014.01)
USPC: 345/419; 702/11; 703/10

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)
MicroPatent (US-G, US-A, EP-A, EP-B, WO, JP-bib, DE-C,B, DE-A, DE-T, DE-U, GB-A, FR-A); IEEE/IEEEXplore; Google/Google Scholar; OnePetro.com; KEYWORDS: subsurface, reservoir, geology, model, simulation, hydrocarbon, accumulation

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2012/115689 A1 (BRAAKSMA, H et al.) August 30, 2012; paragraphs [0046], [0053], [0054], [0061], [0070], [0084], [0095], [0097], [0098], [00102].	1-15
A	US 2009/0319243 A1 (SUAREZ-RIVERA, R et al.) December 24, 2009; entire document.	1-15
A	US 2010/0057418 A1 (LI, D et al.) March 4, 2010; entire document.	1-15

☐ Further documents are listed in the continuation of Box C. ☐

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Date of the actual completion of the international search	Date of mailing of the international search report
02 March 2014 (02.03.2014)	21 MAR 2014

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