

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
24 July 2008 (24.07.2008)

PCT

(10) International Publication Number
WO 2008/088636 A1

(51) International Patent Classification:
G01N 15/08 (2006.01)

(21) International Application Number:
PCT/US2007/087690

(22) International Filing Date:
15 December 2007 (15.12.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/623,286 15 January 2007 (15.01.2007) US

(71) Applicant (for all designated States except US):
CHEVRON U.S.A. INC. [US/US]; 6001 Bollinger Canyon Road - 3rd Floor, San Ramon, CA 94583 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **TRAN, Kiet** [US/US]; 1829 Augusta, Unit 3, Houston, TX 77057 (US). **WIGGINS, William, D.** [US/US]; 990 Casuarina

Road #2, Delray Beach, FL 33483 (US). **MCHARGUE, Timothy, R.** [US/US]; 226 Jasmine Way, Danville, CA 94506 (US). **SYDORA, Larry, J.** [CA/US]; 120 Eileen Court, Moraga, CA 94556 (US). **KATZ, Barry** [US/US]; 8019 Danette Court, Spring, TX 77379 (US).

(74) Agents: **TEIXEIRA, Maurice, E.** et al.; Chevron Corporation, Law Department, Post Office Box 6006, San Ramon, CA 94583-0806 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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,

[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR ASSESSING EXPLORATION PROSPECT RISK AND UNCERTAINTY

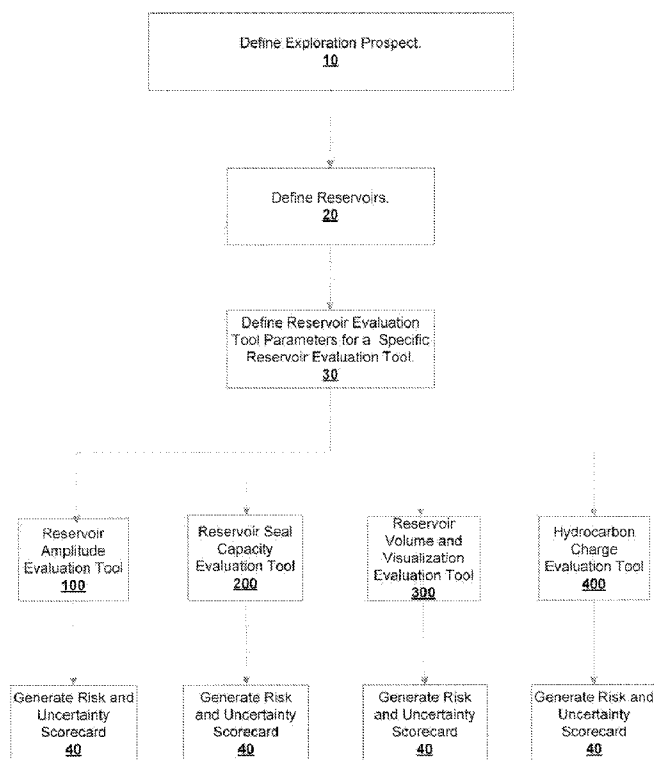


Figure 1

(57) Abstract: A method and system for integrating multiple analytical processes for evaluating risk and uncertainty elements of a petroleum system. The integrated environment provides a consistent means of analysis for evaluating multiple petroleum systems including exploration prospects and reservoirs, wherein multiple evaluation tools can be used and each of the tools has a similar "look" and "feel" so that a user can efficiently utilize all of the tools in the integrated environment. The evaluation tools analyze common data sets within the integrated environment so that a consistent evaluation of a petroleum system can be performed.

WO 2008/088636 A1



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report*