

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
19 May 2005 (19.05.2005)

PCT

(10) International Publication Number
WO 2005/044961 A3

(51) International Patent Classification⁷: **G01N 33/03**

(21) International Application Number:
PCT/US2004/035808

(22) International Filing Date: 27 October 2004 (27.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/699,508 31 October 2003 (31.10.2003) US

(71) Applicant (for all designated States except US):
CHEVRON ORONITE COMPANY LLC [US/US];
6001 Bollinger Canyon Road, 3rd Floor, San Ramon, CA
94583-4289 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **WOLLENBERG, Robert, H.** [US/US]; 31 Las Vegas Road, Orinda, CA 94563 (US). **BALK, Thomas, J.** [US/US]; 767 Castro Street, San Francisco, CA 94583 (US).

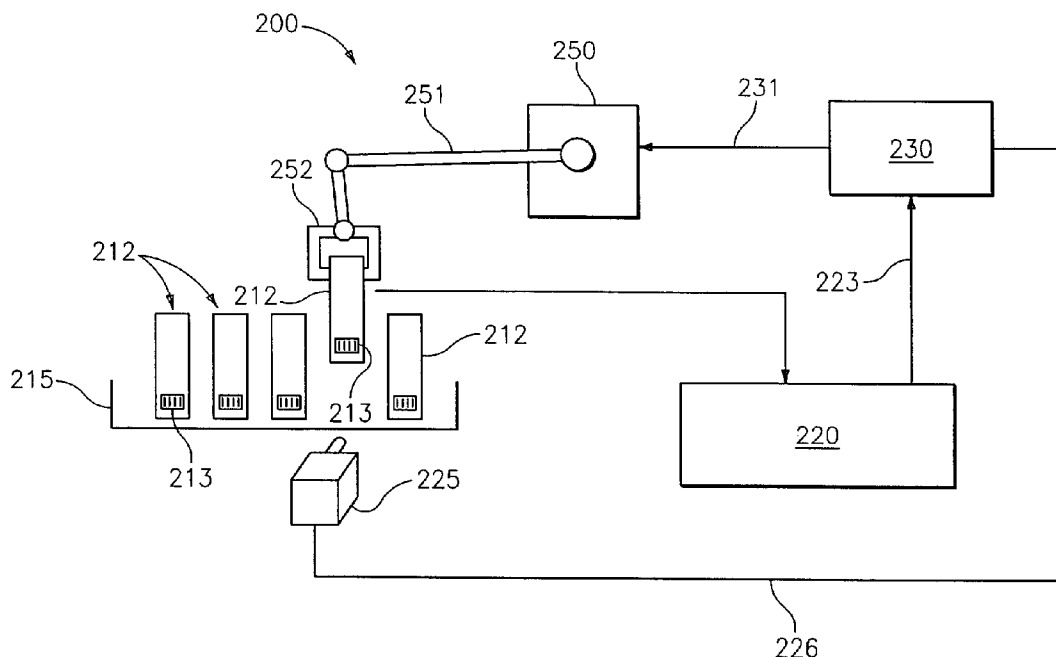
(74) Agents: **FOLEY, Joseph, P.** et al.; Chevrontexaco Corporation, Law Department, Post Office Box 6006, San Ramon, CA 94583-0806 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, 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, IT, LU, MC, 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).

[Continued on next page]

(54) Title: HIGH THROUGHPUT SCREENING METHODS FOR LUBRICATING OIL COMPOSITIONS



(57) Abstract: A method for determining oxidation stability for a plurality of different lubricating oil composition samples (212) is provided. The methods can advantageously be optimized using combinatorial chemistry, in which a database of combinations of lubricating oil compositions is generated. As market conditions vary and/or product requirements or customer specifications change, conditions suitable for forming desired products can be identified with little or no downtime.

WO 2005/044961 A3



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:

28 July 2005