(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
22 September 2005 (22.09.2005)

PCT

(10) International Publication Number
WO 2005/087898 A1

(51) International Patent Classification[7]: C10G 9/00, C10B 55/00

(21) International Application Number: PCT/US2005/007324

(22) International Filing Date: 7 March 2005 (07.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/551,539	9 March 2004 (09.03.2004)	US
11/072,346	4 March 2005 (04.03.2005)	US

(71) Applicant *(for all designated States except US)*: **BAKER HUGHES INCORPORATED** [US/US]; 3900 Essex Lane, Suite 1200, Houston, TX 77027 (US).

(72) Inventors: **STARK, Joseph**; 3538 Timothy Lane, Richmond, TX 77469 (US). **FALKLER, Thomas**; 4910 Bellmead Drive, Missouri City, TX 77459 (US).

(74) Agent: **LITTLEFIELD, Stephen, A.**; Division Intellectual Property Counsel, Baker Petrolite Division of Baker Hughes Incorporated, 12645 West Airport Boulevard, Sugar Land, TX 77478 (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, SM, 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, IS, IT, LT, 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).

Published:
— *with international search report*

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.

(54) Title: METHOD FOR IMPROVING LIQUID YIELD DURING THERMAL CRACKING OF HYDROCARBONS

(57) Abstract: Metal additives to hydrocarbon feed streams give improved hydrocarbon liquid yield during thermal cracking thereof. Suitable additives include metal overbases and metal dispersions and the metals suitable include, but are not necessarily limited to, magnesium, calcium, aluminum, zinc, silicon, barium, cerium, and strontium overbases and dispersions. Coker feedstocks are a particular hydrocarbon feed stream to which the method can be advantageously applied, but the technique may be used on any hydrocarbon feed that is thermally cracked.

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