

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

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
5 July 2001 (05.07.2001)

PCT

(10) International Publication Number
WO 01/47806 A1

- (51) International Patent Classification⁷: **C01B 31/20**
- (21) International Application Number: **PCT/US00/42050**
- (22) International Filing Date:
10 November 2000 (10.11.2000)
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:
09/473,157 28 December 1999 (28.12.1999) **US**
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:
US 09/473,157 (CON)
Filed on 28 December 1999 (28.12.1999)
- (71) Applicant (for all designated States except US):
PHILLIPS PETROLEUM COMPANY [US/US];
4th and Keeler, Bartlesville, OK 74004 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **BROWN, Scott**
[US/US]; 3603 Clover Valley, Kingwood, TX 77345 (US).
- (74) Agents: **RICHARDS, John**; Ladas & Parry, 26 West 61st Sreet, New York, NY 10023 et al. (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, 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, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, 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.



WO 01/47806 A1

(54) Title: PROCESS FOR SELECTIVE OXIDATION OF CARBON MONOXIDE IN A HYDROGEN CONTAINING STREAM

(57) Abstract: A process for the selective oxidation of CO to CO₂ in a hydrogen feed in the presence of catalyst containing platinum and iron. The catalyst can be acid treated.