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(21) International Application Number: PCT/US97/18023 (22) International Filing Date: 3 October 1997 (03.10.97) (30) Priority Data: 08/726,015 4 October 1996 (04.10.96) US (71) Applicant: EXXON RESEARCH AND ENGINEERING COMPANY [US/US]; 180 Park Avenue, P.O. Box 390, Florham Park, NJ 07932-0390 (US). (72) Inventors: SARTORI, Guido; 73 Meadowview Drive, Annandale, NJ 08801 (US). SAVAGE, David, W.; 5 Fieldstone Drive, Lebanon, NJ 08833 (US). BLUM, Saul, C.; 4 Watson Court East, Edison, NJ 08820 (US). BALLINGER, Bruce, H.; 18 Overlook Road, Bloomsbury, NJ 08804 (US). (74) Agents: HANTMAN, Ronald, D. et al.; Exxon Research and Engineering Company, P.O. Box 390, Florham Park, NJ 07932-0390 (US).		(81) Designated States: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: REMOVAL OF CALCIUM FROM CRUDES (57) Abstract The present invention is a process to remove a +2 ionic charged metal from a petroleum feed. The process includes contacting the feed with a resin that includes carboxyl, sulfonic and/or phosphonic groups. In a preferred embodiment the metal is a Group II metal. In particular, the metal is calcium.		