



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

(51) International Patent Classification ⁶ : C07C 15/24, 5/13, 5/367	A1	(11) International Publication Number: WO 99/03805 (43) International Publication Date: 28 January 1999 (28.01.99)
(21) International Application Number: PCT/US98/09928 (22) International Filing Date: 14 May 1998 (14.05.98) (30) Priority Data: 08/892,508 14 July 1997 (14.07.97) US (71) Applicant: CHEVRON CHEMICAL COMPANY LLC [US/US]; 555 Market Street, San Francisco, CA 94105 (US). (72) Inventors: SANTILLI, Donald, S.; 260 Piedmont Road, Larkspur, CA 94939 (US). CHIEN, Cong-Yan; 176 Schooner Court, Richmond, CA 94804 (US). (74) Agents: HAYMOND, W., Bradley et al.; Chevron Corporation, Law Dept., P.O. Box 7141, San Francisco, CA 94120-7141 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: METHOD OF MAKING 2,6-DIMETHYLNAPHTHALENE FROM OTHER DIMETHYLNAPHTHALENE ISOMERS AND FROM DIMETHYLTETRALINS/DIMETHYLDECALINS WITH A METHYL GROUP ON EACH RING		
(57) Abstract The invention discloses a method of making 2,6-dimethylnaphthalene from any DMN with one methyl on each ring in a two-step hydroisomerization/dehydrogenation process. The catalyst used in the hydroisomerization step is an acidic catalyst such as a silica aluminum catalyst with a hydrogenation/dehydrogenation metal. The catalyst used in the dehydrogenation step is a reforming type catalyst.		