

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



0000 733 -6
IPDS's copy

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C07C 45/33, 45/53, 45/80, 49/403, 29/50, 29/132, 29/86, 35/08, 27/12	A1	(11) International Publication Number: WO 99/10304 (43) International Publication Date: 4 March 1999 (04.03.99)
(21) International Application Number: PCT/US98/17158 (22) International Filing Date: 19 August 1998 (19.08.98) (30) Priority Data: 08/918,779 25 August 1997 (25.08.97) US (71) Applicant: E.I. DU PONT DE NEMOURS AND COMPANY [US/US]; 1007 Market Street, Wilmington, DE 19898 (US). (72) Inventors: OSTERMAIER, John, Joseph; 724 Foulkstone Road, Wilmington, DE 19803 (US). RUSSELL, George, Crumbaugh, III; 700 Hickory Trails, Orange, TX 77632 (US). (74) Agent: DEITCH, Gerald, E.; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).		(81) Designated States: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HR, HU, ID, IL, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UZ, VN, YU, 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, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: IMPROVED METHOD FOR MAKING CYCLOHEXANOL AND CYCLOHEXANONE (57) Abstract An improved method for making cyclohexanone and cyclohexanol from oxidation of cyclohexane in which a polyprotic acid is used to neutralize caustic to prevent oligomerization of cyclohexanone during fractional distillation.		