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<p>(51) International Patent Classification ⁶ : C07C 2/66</p>	<p>A1</p>	<p>(11) International Publication Number: WO 98/09929 ✓ (43) International Publication Date: 12 March 1998 (12.03.98)</p>
<p>(21) International Application Number: PCT/US97/14256 ✓ (22) International Filing Date: 14 August 1997 (14.08.97) ✓ (30) Priority Data: ① 08/711,117 ✓ 9 September 1996 (09.09.96) ✓ US ✓ (71) Applicant: CHEMICAL RESEARCH & LICENSING COMPANY [US/US]; 10100 Bay Area Boulevard, Pasadena, TX 77507 (US). (72) Inventor: SMITH, Lawrence, A., Jr. ① 10100 Bay Area Boulevard, Pasadena, TX 77507 (US) ✓ (74) Agent: JOHNSON, Kenneth, H.; P.O. Box 630708, Houston, TX 77263 (US). ✓</p>		<p>(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, HU, 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, <u>SG</u>, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, 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 With international search report. ✓ 1 PD 1 appⁿ. (see 18/306) 1 Inv.</p>
<p>(54) Title: ALKYLATION OF ORGANIC AROMATIC COMPOUNDS USING BETA ZEOLITE CATALYST ✓ (57) Abstract A process for the alkylation of organic aromatic compounds by contacting the organic aromatic compound and a C₂ to C₂₀ olefin in a distillation column reactor containing a beta zeolite prepared as a catalytic distillation structure in a distillation reaction zone to concurrently react the olefin and aromatic in said fixed bed and fractionating the resultant alkylated organic product from the unreacted materials. The catalytic distillation structure provides both the catalytic sites and the distillation sites.</p>		