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(21) International Application Number: PCT/EP97/06625 (22) International Filing Date: 27 November 1997 (27.11.97) (30) Priority Data: 08/770,821 20 December 1996 (20.12.96) US (71) Applicant (for all designated States except MN): ARCO CHEMICAL TECHNOLOGY, L.P. [US/US]; Two Greenville Crossing, Suite 238, 4001 Kennett Pike, Greenville, DE 19807 (US). (71) Applicant (for MN only): ARCO CHEMIE TECHNOLOGIE NEDERLAND B.V. [NL/NL]; Theemsweg 14, NL-3197 KM Botlek Rotterdam (NL). (72) Inventors: CARROLL, Kevin, M.; 511 Kathmere Road, Haver-town, PA 19083 (US). MORALES, Edrick; Apartment P-9, 2 Waterview Road, West Chester, PA 19380 (US). HAN, Yuan-Zhang; 235 Oxford Road, West Chester, PA 19380 (US). (74) Agent: SMAGGASGALE, Gillian, Helen; Mathys & Squire, 100 Gray's Inn Road, London WC1X 8AL (GB).		(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, 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, 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. 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: HETEROGENEOUS CATALYST REGENERATION (57) Abstract The catalytic activity of a titanium-containing heterogeneous catalyst such as titania-on-silica which has been used to catalyze olefin epoxidation is effectively restored by washing the catalyst with water, alcohol, ether, nitrile, ester, aromatic hydrocarbon, or ketone.		