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(21) International Application Number: PCT/EP99/06721 (22) International Filing Date: 9 September 1999 (09.09.99) (30) Priority Data: 60/100,194 14 September 1998 (14.09.98) US (71) Applicant: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. [NL/NL]; Carel van Bylandtlaan 30, NL-2596 HR The Hague (NL). (72) Inventor: LOCKEMEYER, John, Robert; 3403 Stoney Mist Drive, Sugar Land, TX 77479 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, 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, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, 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. 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: PROCESS FOR REMOVING IONIZABLE SPECIES FROM CATALYST SURFACE TO IMPROVE CATALYTIC PROPERTIES		
(57) Abstract		
This invention relates to a process for the preparation of a catalyst having improved properties, said process comprising selecting a carrier, lowering the concentration of ionizable species present on the surface of the carrier, and depositing a catalytically effective amount of one or more catalytically reactive metals on the carrier. The invention further relates to catalysts made from the process and to the use of such catalysts in alkene epoxidation processes. In the examples the lowering of the concentration of ionizable species is obtained by washing the alpha alumina carrier with boiling water. Then the dried carrier is impregnated with a promotor and silver.		