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(21) International Application Number: PCT/US00/00522 (22) International Filing Date: 7 January 2000 (07.01.00) (30) Priority Data: 60/116,649 21 January 1999 (21.01.99) US (71) Applicant: ABB LUMMUS GLOBAL, INC. [US/US]; 1515 Broad Street, Bloomfield, NJ 07003 (US). (72) Inventors: OVERBEEK, Rudolf, A.; 32 Lexington Court, Chatham Township, NJ 07928 (US). TRUBAC, Robert, B.; 614 Bartell Place, Ridgewood, NJ 07450 (US). HUANG, Chiung, Yuan; 273 Forest Avenue, Glen Ridge, NJ 07028 (US). ROTA, Marino; Apartment 2, 2-10 Montgomery Street, Bloomfield, NJ 07003 (US). VAN DER PUIL, Nelleke; 305 Monroe Street, Hoboken, NJ 07030 (US). (74) Agents: LILLIE, Raymond et al.; Carella, Byrne, Bain, Gilfillan, Cecchi, Stewart & Olstein, 6 Becker Farm Road, Roseland, NJ 07068 (US).		(81) Designated States: 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, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, 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: SELECTIVE HYDROGENATION PROCESS AND CATALYST THEREFOR		
(57) Abstract A process of selectively hydrogenating an impurity in a feed containing hydrocarbons, such as, for example, an impurity selected from the group consisting of acetylene compounds, dienes, and mixtures thereof in a feed containing at least one monoolefin and the impurity wherein the impurity is hydrogenated selectively in the presence of a selective hydrogenation catalyst supported on a particulate support. The supported catalyst is supported on a mesh-like structure.		