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(21) International Application Number: PCT/US99/07866 (22) International Filing Date: 9 April 1999 (09.04.99) (30) Priority Data: 60/081,249 9 April 1998 (09.04.98) US (71) Applicant: UHP MATERIALS, INC. [US/US]; 895 Marcon Boulevard, Allentown, PA 18109 (US). (72) Inventor: RAJORIA, Dalbir, S.; 12 Fox Run, Glen Gardner, NJ 08826 (US). (74) Agents: MILLET, Marcus, J. et al.; Lerner, David, Littenberg, Krumholz & Mentlik, LLP, 600 South Avenue West, Westfield, NJ 07090 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, 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: PREPARATION AND PURIFICATION OF DIBORANE		
(57) Abstract BF₃, CO₂ or both are removed from a mixture containing these gases with B₂H₆ by contacting the mixture with an inorganic hydroxide such as LiOH. B₂H₆ is synthesized by contacting BF₃ with KBH₄.		