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(21) International Application Number: PCT/AU99/00967 (22) International Filing Date: 5 November 1999 (05.11.99) (30) Priority Data: PP 6977 6 November 1998 (06.11.98) AU PP 7935 24 December 1998 (24.12.98) AU PQ 2158 11 August 1999 (11.08.99) AU (71) Applicant (for all designated States except US): COMMON-WEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION [AU/AU]; Limestone Avenue, Campbell, Australian Capital Territory 2601 (AU). (72) Inventors; and (75) Inventors/Applicants (for US only): MARCUCCIO, Sebastian, Mario [AU/AU]; 5 Sporing Court, Endeavour Hills, Victoria 3802 (AU). RODOPOULOS, Mary [AU/AU]; 39 Baratta Street, Blackburn South, Victoria 3130 (AU). WEIGOLD, Helmut [AU/AU]; 54 Leeds Road, Mount Waverley, Victoria 3149 (AU). (74) Agents: CAINE, Michael, James et al.; Davies Collison Cave, 1 Little Collins Street, Melbourne, Victoria 3000 (AU).		(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, 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, US, 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: HYDROBORONATION PROCESS (57) Abstract The invention relates to processes for the synthesis of aryl or alkene borates which comprises reacting: (i) an olefinic compound having a halogen or halogen-like substituent in a vinylic substitution position, or (ii) an aromatic ring having a halogen or halogen-like substituent in a ring substitution position, with a disubstituted monohydroborane in the presence of a Group 8-11 metal catalyst. The invention also relates to the use of these borates in coupling reactions. The invention further relates to certain disubstituted monohydroboranes and aryl or alkene borates.		