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(21) International Application Number: PCT/US98/09706 (22) International Filing Date: 13 May 1998 (13.05.98) (30) Priority Data: 08/956,797 23 October 1997 (23.10.97) US (71) Applicant: THE DOW CHEMICAL COMPANY [US/US]; 2030 Dow Center, Midland, MI 48674 (US). (72) Inventors: INBASEKARAN, Michael; 2614 Walden Woods Court, Midland, MI 48640 (US). WOO, Edmund, P.; 300 Mayfield Lane, Midland, MI 48640 (US). WU, Weishi; 5413 Tyler Street, Midland, MI 48642 (US). (74) Agent: GALBRAITH, Ann, K.; Patent Dept., P.O. Box 1967, Midland, MI 48641-1967 (US).		(81) Designated States: CA, CN, JP, KR, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: PROCESS FOR PREPARING CONJUGATED POLYMERS (57) Abstract A process for preparing conjugated polymers which comprises contacting (i) monomers having two reactive groups selected from boronic acid C ₁ -C ₆ boronic acid ester, C ₁ -C ₆ borane, and combinations thereof, with aromatic dihalide-functional monomers or (ii) monomers having one reactive boronic acid, boronic acid ester, or borane group and one reactive halide-functional group, with each other; (wherein the monomers are selected so that the polymerization reaction product of such has conjugated unsaturated internal groups) in a reaction mixture which contains: (a) an organic solvent in which the polymer forms at least a 1 percent solution; (b) an aqueous solution of an inorganic base having a pKa in the range of from 9 to 13, said solution having a concentration of at least 0.1 N; (c) a catalytic amount of a palladium complex; and (d) at least 0.01 mole percent of a phase transfer catalyst, based on the number of moles of boronic acid, boric acid ester, and borane groups in the reaction mixture; under reaction conditions sufficient to form the corresponding conjugated polymer.		