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(21) International Application Number: PCT/EP97/06297 (22) International Filing Date: 12 November 1997 (12.11.97) (30) Priority Data: 96118369.6 15 November 1996 (15.11.96) EP (34) Countries for which the regional or international application was filed: NL et al. (71) Applicant (for all designated States except US): MONTELL TECHNOLOGY COMPANY B.V. [NL/NL]; Hoeksteen 66, NL-2132 MS Hoofddorp (NL). (72) Inventors; and (75) Inventors/Applicants (for US only): EWEN, John, A. [US/US]; 14311 Golf View Trail, Houston, TX 77059 (US). ELDER, Michael, J. [US/IT]; Corso della Giovecca, 140, I-44100 Ferrara (IT). JONES, Robert, L., Jr. [US/IT]; Via Carlo Mayr, 110, I-44100 Ferrara (IT). DUBITSKY, Yuri, A. [RU/IT]; Via Valassina, 45, I-20159 Milano (IT). (74) Agents: ZANOLI, Enrico; Montell Italia S.p.A., Intellectual Property, Via Pergolesi, 25, I-20124 Milano (IT) et al.	(81) Designated States: AU, BR, CA, CN, CZ, HU, ID, IL, JP, KR, MX, NO, PL, RU, SG, TR, US, VN, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published With international search report.	
(54) Title: HETEROCYCLIC METALLOCENES AND POLYMERIZATION CATALYSTS (57) Abstract A new class of heterocyclic metallocenes, a catalytic system containing them and a process for polymerizing addition polymerizable monomers using said catalytic system are disclosed; the heterocyclic metallocenes correspond to the formula (I): $Y_iR''Z_{jj}MeQ_kP_l$ wherein Y is a coordinating group containing a six π electron central radical directly coordinating Me, to which are associated one or more radicals containing at least one non-carbon atom selected from B, N, O, Al, Si, P, S, Ga, Ge, As, Se, In, Sn, Sb and Te; R'' is a divalent bridge between the Y and Z groups; Z is a coordinating group, optionally being equal to Y; Me is a transition metal; Q is halogen or hydrocarbon substituents; P is a counterion; i is 0 or 1; j is 1-3; jj is 0-2; k is 1-3; and l is 0-2. THIS SHEET HAS BEEN REPLACED This Sheet Has Been Replaced 		