

**PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C09J 179/08, C08G 73/10, 73/14	A1	(11) International Publication Number: WO 00/39236 (43) International Publication Date: 6 July 2000 (06.07.00)
(21) International Application Number: PCT/GB99/03719 (22) International Filing Date: 8 November 1999 (08.11.99) (30) Priority Data: 09/221,497 28 December 1998 (28.12.98) US (71) Applicant: OCCIDENTAL CHEMICAL CORPORATION [US/US]; Occidental Tower, 5005 LBJ Freeway, Dallas, TX 75244-6119 (US). (71) Applicant (for IS only): STEPHENS, Dinah [GB/US]; Occiden- tal Chemical Corporation, Intellectual Property Dept., Occi- dental Tower, 5005 LBJ Freeway, Dallas, TX 75244-6119 (US). (72) Inventor: CHOI, Jin-O; 253 Wyeth Drive, Getzville, NY 14068 (US). (74) Agent: FRANKLAND, Nigel, H.; Forrester Ketley & Co., Forrester House, 52 Bounds Green Road, London N11 2EY (GB).	(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, 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: POLYAMIDEIMIDESILOXANE HOT MELT ADHESIVE		
(57) Abstract A solution of a hot melt adhesive which comprises an organic solvent and a fully imidized polyamideimidesiloxane is disclosed wherein 0.5 to 30 mole% of the dianhydride or diamine monomers are siloxane containing monomers. Up to 50 mole% of the diamine monomer is aliphatic diamine that contains neither siloxane groups nor amide linkages and 40 to 99 mole% is aromatic diamine that does not contain siloxane groups. The aromatic diamine is (1) 20 to 100 mole% unsymmetrical aromatic diamine having at least two aromatic rings, two amine groups on different aromatic rings, and contains an amide linkage in the chain and (2) up to 50 mole% of aromatic diamine that contains neither siloxane groups nor amide linkages. A tape can be made from the solutions and an article can be attached to a substrate by applying the tape to the substrate or the article.		