

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
28 December 2000 (28.12.2000)

PCT

(10) International Publication Number
WO 00/78885 A1

- (51) International Patent Classification⁷: C09J 151/00, A61L 15/58, C09J 133/06
- (21) International Application Number: PCT/US99/13865
- (22) International Filing Date: 18 June 1999 (18.06.1999)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicant (for all designated States except US): 3M INNOVATIVE PROPERTIES COMPANY [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): GIESELMAN, Melinda, B. [US/US]; 1767 Gabbro Trail, Eagan, MN 55122 (US).
- (74) Agents: MAKI, Eloise, J. et al.; 3M Innovative Properties Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).
- (81) Designated States (national): 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, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): 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:
— With international search report.
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 00/78885 A1

(54) Title: WET-STICK ADHESIVES

(57) Abstract: A wet-skin adhesive includes a pressure-sensitive adhesive component that includes at least one monoethylenically unsaturated (meth)acrylic acid ester comprising an alkyl group having at least 4 carbons on average and at least one monoethylenically unsaturated reinforcing monomer; and a film-forming component that includes at least one monoethylenically unsaturated (meth)acrylic acid ester comprising an alkyl group having less than 4 carbons on average and at least one hydrophilic acidic monomer, wherein the wet-stick pressure-sensitive adhesive has an initial wet skin adhesion of at least about 0.8 N/dm. Advantageously, the wet-stick adhesive has an initial wet skin adhesion that is at least about 65 % of an initial dry skin adhesion.