

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
12 September 2003 (12.09.2003)

PCT

(10) International Publication Number
WO 03/074594 A1

(51) International Patent Classification⁷: **C08J 5/18**, C08K
7/22, 7/24, 7/26, 7/28, A23L 3/3418

(21) International Application Number: PCT/US03/05497

(22) International Filing Date: 21 February 2003 (21.02.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/360,447 28 February 2002 (28.02.2002) US
60/368,306 28 March 2002 (28.03.2002) US

(71) Applicant (for all designated States except US): **DOW GLOBAL TECHNOLOGIES INC.** [US/US]; Washington Street, 1790 Building, Midland, MI 48674 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **MARTIN, Jill, M.** [US/US]; 827 Portsmouth Drive, Pearland, TX 77584 (US).

(74) Agents: **PLOTECHER, Gary, R.** et al.; Whyte Hirschboek Dudek S.C., Suite 2100, 111 East Wisconsin Avenue, Milwaukee, WI 53202 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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.

(54) Title: FILM SUITABLE FOR FOOD PACKAGING

(57) Abstract: Controlled permeability films are described that comprise at least on film-forming polymer and an inert, nonporous filler material having an average particle size such that the ratio of the average particle size of the filler to the film thickness is 0.67 to 0.99. Packages comprising such a controlled permeability film, and methods for making the film and using it to improve the storage life of a perishable article are also described.



WO 03/074594 A1