

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 July 2004 (15.07.2004)

PCT

(10) International Publication Number
WO 2004/058117 A1

(51) International Patent Classification⁷: **A61F 13/15**,
13/62, D04H 11/08, A44B 18/00, A61F 13/68

(74) Agents: **REED, T., David** et al.; The Procter & Gamble Company, 6110 Center Hill Rd., Cincinnati, OH 45224 (US).

(21) International Application Number:
PCT/US2003/040229

(22) International Filing Date:
16 December 2003 (16.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/324,661 20 December 2002 (20.12.2002) US
10/435,996 12 May 2003 (12.05.2003) US

(71) Applicant: **THE PROCTER & GAMBLE COMPANY**
[US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).

(72) Inventors: **TURNER, Robert, Haines**; 331 Warren Avenue, Cincinnati, OH 45220 (US). **CURRO, John, Joseph**; 11604 Stablewatch Court, Cincinnati, OH 45249 (US). **HOYING, Jody, Lynn**; 3958 Springmill Way, Maineville, OH 45039 (US). **LLOYD, Susan, Nicole**; 3862 Shades Lane, Erlanger, KY 41018 (US). **HAMMONS, John, Lee**; 7379 Dust Commander Court, Hamilton, OH 45011 (US).

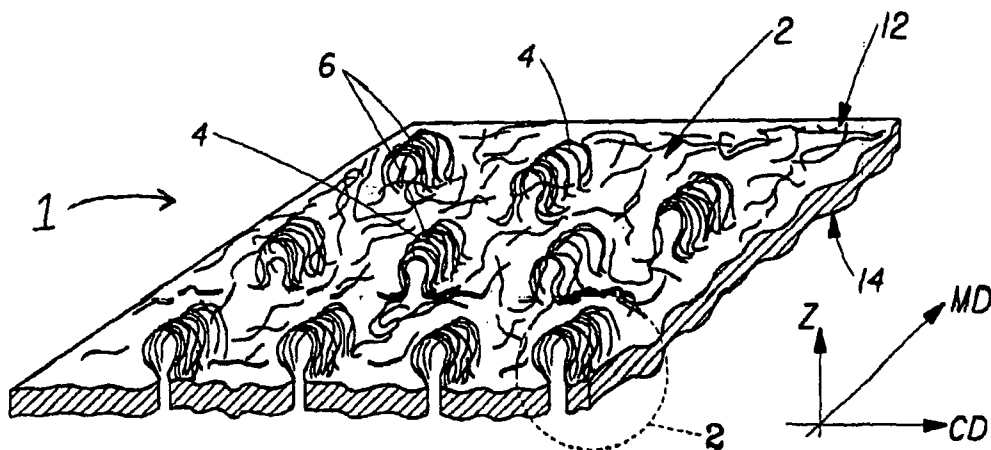
(81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, 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, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (BW, 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, RO, 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

[Continued on next page]

(54) Title: TUFTED FIBROUS WEB



(57) Abstract: Disclosed is a fibrous web comprising a first region and at least one discrete integral second region, the second region having at least one portion being a discontinuity exhibiting a linear orientation and defining a longitudinal axis, and at least another portion being a deformation comprising a plurality of tufted fibers integral with but extending from the first region.

WO 2004/058117 A1



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.