

(19) World Intellectual Property Organization
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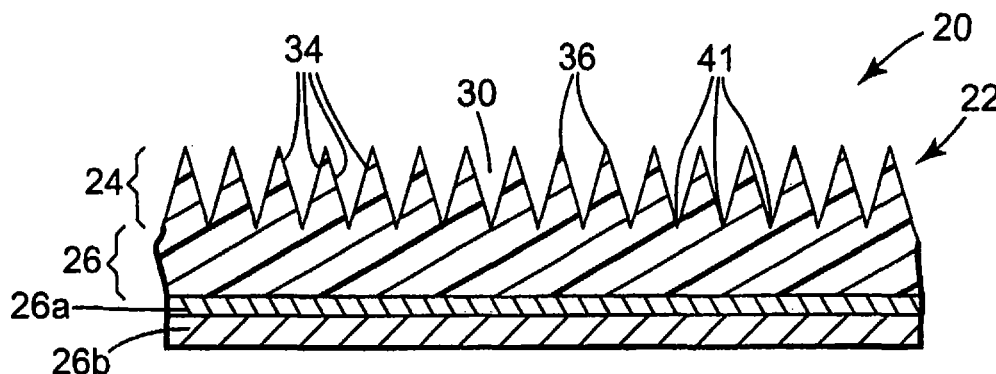
(43) International Publication Date
15 August 2002 (15.08.2002)

PCT

(10) International Publication Number
WO 02/062568 A3

- (51) International Patent Classification⁷: **B32B 3/30**
- (21) International Application Number: PCT/US01/21769
- (22) International Filing Date: 10 July 2001 (10.07.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
09/778,524 7 February 2001 (07.02.2001) US
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- (81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, 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, 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, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK (utility model), SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, 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, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- (88) Date of publication of the international search report:
4 September 2003
- 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: MICROSTRUCTURED SURFACE FILM FOR LIQUID ACQUISITION AND TRANSPORT



(57) Abstract: A film or tape has one of its major surfaces defined by microstructured features including a plurality of channels defined by spaced apart protrusions. The microstructured film is able to acquire liquids and to control the directional transport of such liquids for subsequent removal therefrom. The transport can be passive or active (i.e., caused or enhanced by an applied potential). The inventive microstructured films and tapes have applications in laminate floor assemblies (for spill removal) and industrial articles such as computer keyboards and other devices and assemblies that benefit from fluid removal. The invention also has application in evaporative and condensation applications. In one embodiment, at least one cross-channel is formed on the microstructured surface to join adjacent channels for liquid flow therebetween.



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