

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

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
8 February 2001 (08.02.2001)

PCT

(10) International Publication Number  
**WO 01/09420 A3**

(51) International Patent Classification<sup>7</sup>: D06N 5/00, B32B  
5/06, 27/36, 17/02, E04D 5/00, D04H 18/00, 13/00, 1/06

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(21) International Application Number: PCT/IB00/01282

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, 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, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

(22) International Filing Date: 26 July 2000 (26.07.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
199 35 408.1 30 July 1999 (30.07.1999) DE  
199 35 531.2 30 July 1999 (30.07.1999) DE  
199 50 057.6 16 October 1999 (16.10.1999) DE  
199 52 432.7 30 October 1999 (30.10.1999) DE  
199 55 713.6 18 November 1999 (18.11.1999) DE  
199 55 730.6 18 November 1999 (18.11.1999) DE

(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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:  
— with international search report

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(88) Date of publication of the international search report:  
23 August 2001

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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 01/09420 A3

(54) Title: NON-WOVEN LAMINATE COMPOSITE

(57) Abstract: The present invention provides non-woven laminate that is not subjected to final consolidation by a binder and the production thereof. The laminate includes at least one non-woven mat containing glass staple fibers pre-consolidated with a resin, and at least one non-woven layer of synthetic fibers. The synthetic non-woven layers and the pre-consolidated non-woven mat of glass fibers are bounded together by needling such that a portion of the fibers of the upper synthetic non-woven layer passes through the non-woven mat of glass fibers possibly through the underlying synthetic non-woven layer. The synthetic fibers are heat shrunken and the laminate is binder free.

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 00/01282

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
IPC 7	D06N5/00	B32B5/06
	D04H18/00	D04H13/00
		B32B27/36
		D04H1/06
		B32B17/02
		E04D5/00
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols)		
IPC 7	D06N	B32B E04D D04H
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)		
WPI Data, PAJ, EPO-Internal		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	JP 11 268159 A (UNITIKA LTD) 5 October 1999 (1999-10-05)	1-5, 7-11, 18-26, 31, 34
T	paragraphs '0009!', '0014!', '0020! & PATENT ABSTRACTS OF JAPAN vol. 2000, no. 01, 31 January 2000 (2000-01-31) & JP 11 268159 A (INTIKA LTD), 5 October 2000 (2000-10-05) abstract	1
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<input checked="" type="checkbox"/>	Further documents are listed in the continuation of box C.	
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Date of the actual completion of the international search	Date of mailing of the international search report	
22 January 2001	08/02/2001	
Name and mailing address of the ISA	Authorized officer	
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Barathe, R	

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In: International Application No

PCT/IB 00/01282

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