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(21) International Application Number: PCT/US91/07988 (22) International Filing Date: 28 October 1991 (28.10.91) (30) Priority data: 608,083 1 November 1990 (01.11.90) US (71) Applicant: THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US). (72) Inventors: AHR, Nicholas, Albert ; 3736 Benhill Drive, Cincinnati, OH 45247 (US). OOTEN, David, Mark ; 1444 Hoffner Street, Cincinnati, OH 45231 (US).		(74) Agent: REED, T., David; The Procter & Gamble Com- pany, Ivorydale Technical Center, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US). (81) Designated States: AT, AT (European patent), AU, BB, BE (European patent), BF (OAPI patent), BG, BJ (OAPI patent), BR, CA, CF (OAPI patent), CG (OAPI patent), CH, CH (European patent), CI (OAPI patent), CM (OAPI patent), CS, DE, DE (European patent), DK, DK (European patent), ES, ES (European patent), FI, FR (European patent), GA (OAPI patent), GB, GB (Eu- ropean patent), GN (OAPI patent), GR (European pa- tent), HU, IT (European patent), JP, KP, KR, LK, LU, LU (European patent), MC, MG, ML (OAPI patent), MN, MR (OAPI patent), MW, NL, NL (European pa- tent), NO, PL, RO, SD, SE, SE (European patent), SN (OAPI patent), SU ⁺ , TD (OAPI patent), TG (OAPI pa- tent). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i> (88) Date of publication of the international search report: 15 October 1992 (15.10.92)
(54) Title: FIBROUS SUPERABSORBENT CORE HAVING INTEGRALLY ATTACHED HYDROPHOBIC FACING LAYER (57) Abstract Absorbent structures are disclosed comprising a fibrous, superabsorbent core and an integrally attached facing layer. The structures can be made by forming nonwoven webs of mixtures of thermoplastic fibers and superabsorbent fibers, and a web consisting essentially of thermoplastic hydrophobic fibers. The layers are bonded together using thermal bonding. The structures are suitable for use in disposable absorbent products, in particular, pantliners.		

+ DESIGNATIONS OF "SU"

It is under examination in which parts of the former Soviet Union the designation of the Soviet Union has effect.

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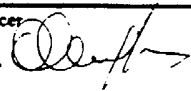
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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 91/07988

I. CLASSIFICATION OF SUBJECT MATTER (if several classification symbols apply, indicate all) ⁶		
According to International Patent Classification (IPC) or to both National Classification and IPC Int.Cl. 5 A61F13/15		
II. FIELDS SEARCHED		
Minimum Documentation Searched ⁷		
Classification System	Classification Symbols	
Int.Cl. 5	A61F	
Documentation Searched other than Minimum Documentation to the Extent that such Documents are Included in the Fields Searched ⁸		
III. DOCUMENTS CONSIDERED TO BE RELEVANT⁹		
Category ¹⁰	Citation of Document, ¹¹ with indication, where appropriate, of the relevant passages ¹²	Relevant to Claim No. ¹³
X,P	US,A,5 015 245 (ISAO NODA) 14 May 1991 see the whole document ---	1,2,6,9, 10
X	EP,A,0 336 578 (THE PROCTER & GAMBLE COMPANY) 11 October 1989 see column 6, line 36 - line 50 see column 8, line 32 - line 36 see column 9, line 3 - line 34 see column 11, line 10 - line 26 see column 19, line 37 - line 47 see column 20, line 14 - line 26 ---	1-13
X	EP,A,0 198 683 (THE PROCTER & GAMBLE COMPANY) 22 October 1986 see page 5, line 15 - line 28 see page 6, line 9 - line 18 see page 10, line 27 - line 30 ---	1-8
<p>¹⁰ Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>"&" document member of the same patent family</p>		
IV. CERTIFICATION		
Date of the Actual Completion of the International Search	Date of Mailing of this International Search Report	
17 AUGUST 1992	1 8. 09. 92	
International Searching Authority	Signature of Authorized Officer	
EUROPEAN PATENT OFFICE	ARGENTINI A. 	

**ANNEX TO THE INTERNATIONAL SEARCH REPORT
ON INTERNATIONAL PATENT APPLICATION NO. US 9107988
SA 55282**

This annex lists the patent family members relating to the patent documents cited in the above-mentioned international search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information. 17/08/92

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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