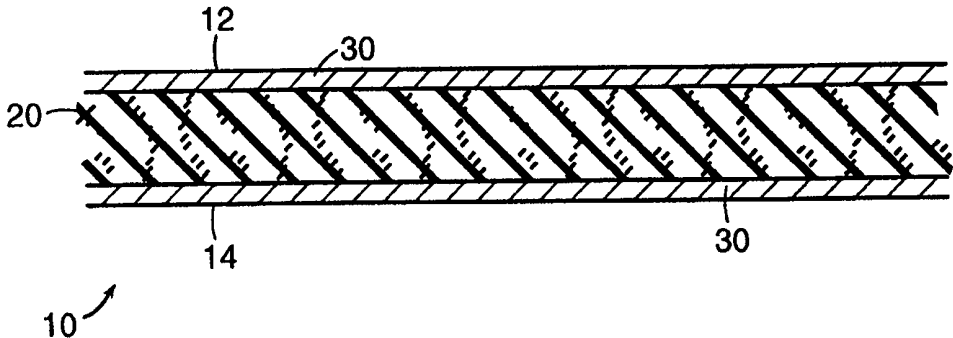




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(54) Title: COHESIVE PRODUCTS  (57) Abstract A cohesive product that has one or more layers of a substrate and a synthetic water-based cohesive polymer that is applied to the substrate and defines an outer surface of the product. The synthetic water-based cohesive polymer is an inherently crystalline elastomer whose polycrystalline structure has been disrupted such that the elastomer possesses a cohesive property.		

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/23066

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 A61L15/00 C09J7/04 C09J7/02 C09J111/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 A61L C09J

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97 23249 A (MINNESOTA MINING & MFG) 3 July 1997	1-4, 23, 25, 26, 33, 34
Y	see abstract see page 2, line 6 see page 2, line 20-24 see page 3, line 16-20 see page 4, line 13 see page 4, line 29-30 see page 5, line 10-11 see page 6, line 24-30 see page 9, line 4-5 see page 10, line 5; claims 28, 33, 36 --- -/--	1-20, 23, 25, 26, 33, 34

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INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 97 04154 A (ANDOVER COATED PRODUCTS INC) 6 February 1997 see the whole document ---	1-20, 23, 25, 26, 33, 34
X	GB 653 921 A (JOHNSON & JOHNSON) 30 May 1951 see column 1, line 9-14 see column 2, line 75-80 ---	1-5, 23, 24, 26
X	GB 1 033 115 A (SHELL INTERNATIONALE RESEARCH) 15 June 1966 see page 1, line 25-28 see page 2, line 24-28 see page 2, line 98 see page 4, line 17-36 see page 6, line 20-36 ---	1, 2, 4, 13, 23, 25
A	US 4 497 926 A (TOY LESTER T) 5 February 1985 see abstract see column 1, line 59-64 see column 2, line 59-67 see column 3, line 8 see column 3, line 35-44 see column 4, line 27-28 ---	1-4, 23, 24
A	US 3 912 676 A (BRIZZOLARA DONALD FRANCIS ET AL) 14 October 1975 see abstract see column 1, line 5-21 ---	23, 24
A	GB 1 034 439 A (JOHNSON & JOHNSON) 29 June 1966 see page 1, line 24-25 see page 3, line 2-22 see page 3, line 41-57 see page 4, line 34-35 see page 4, line 54-64 see page 4, line 80-84 see page 5, line 13-21 -----	1-5, 8, 9, 13, 17, 23, 25

INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No

PCT/US 98/23066

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9723249 A	03-07-1997	US 5876855 A AU 701664 B AU 1465297 A CA 2238327 A EP 0874646 A	02-03-1999 04-02-1999 17-07-1997 03-07-1997 04-11-1998
WO 9704154 A	06-02-1997	AU 5877096 A CA 2227169 A EP 0839222 A US 5762623 A	18-02-1997 06-02-1997 06-05-1998 09-06-1998
GB 653921 A		NONE	
GB 1033115 A		BE 649690 A CH 442587 A DE 1594254 A FR 1403980 A NL 6407182 A SE 326294 B US 3239478 A	24-12-1964 12-06-1969 10-11-1965 28-12-1964 20-07-1970 08-03-1966
US 4497926 A	05-02-1985	AT 26728 T CA 1195793 A EP 0083218 A GB 2112790 A,B JP 1886059 C JP 6008030 B JP 61266225 A JP 58118870 A US 4536445 A ZA 8209527 A	15-05-1987 22-10-1985 06-07-1983 27-07-1983 22-11-1994 02-02-1994 25-11-1986 15-07-1983 20-08-1985 29-02-1984
US 3912676 A	14-10-1975	AR 199153 A AU 475662 B AU 6944574 A BE 815663 A CA 1037179 A DE 2426013 A FR 2231724 A GB 1470887 A JP 50022084 A JP 51021835 B NL 7407304 A SE 7407086 A ZA 7403396 A	08-08-1974 26-08-1976 04-12-1975 29-11-1974 22-08-1978 19-12-1974 27-12-1974 21-04-1977 08-03-1975 05-07-1976 03-12-1974 02-12-1974 28-05-1975
GB 1034439 A		NONE	