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United States Patent [19]

Kite, III

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[54] **BRAIDED PRODUCT AND METHOD OF MAKING SAME**

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Related U.S. Application Data

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[51] **Int. Cl.**[5] **B32B 1/08**

[52] **U.S. Cl.** **428/36.3**; 87/8; 87/9; 428/36.1; 428/198; 428/225; 428/245; 428/255

[58] **Field of Search** 428/225, 245, 255, 198, 428/36.1, 36.3; 87/6, 8, 9

[56] **References Cited**

U.S. PATENT DOCUMENTS

2,025,052	12/1935	Hess .	
2,393,530	1/1946	Harris .	
2,478,940	8/1949	Pape .	
2,580,436	1/1952	Knoblaugh .	
2,686,451	8/1954	Shafer .	
2,977,839	4/1961	Koch .	
3,048,078	8/1962	Kaplan .	
3,130,630	4/1964	Dawes .	
3,334,165	8/1967	Koch	87/9
3,726,321	4/1973	Phillips et al.	138/123
3,855,897	12/1974	Takahashi et al.	87/1
3,911,785	10/1975	Hood	87/1
4,019,940	4/1977	Hood	87/1
4,376,229	3/1983	Maul et al.	138/121
4,389,763	6/1983	Mush, Jr.	29/237
4,452,279	6/1984	Atwell	138/126
4,604,821	8/1986	Moser	87/8
4,735,833	4/1988	Chistis et al.	428/229
4,754,685	7/1988	Kite et al.	138/123
4,819,395	4/1989	Sugita et al.	52/309.16
4,862,922	9/1989	Kite, III	428/36.3
4,870,887	10/1989	Tressler et al.	87/9
4,891,256	1/1990	Kite, III et al.	428/36.3
4,929,478	5/1990	Conaghan et al.	428/36.3
4,939,819	7/1990	Moyer	24/16 R
4,946,722	8/1990	Moyer	87/9
5,000,228	3/1991	Manent et al.	138/124

FOREIGN PATENT DOCUMENTS

697847	9/1953	United Kingdom .
1422936	1/1976	United Kingdom .
1448601	9/1976	United Kingdom .

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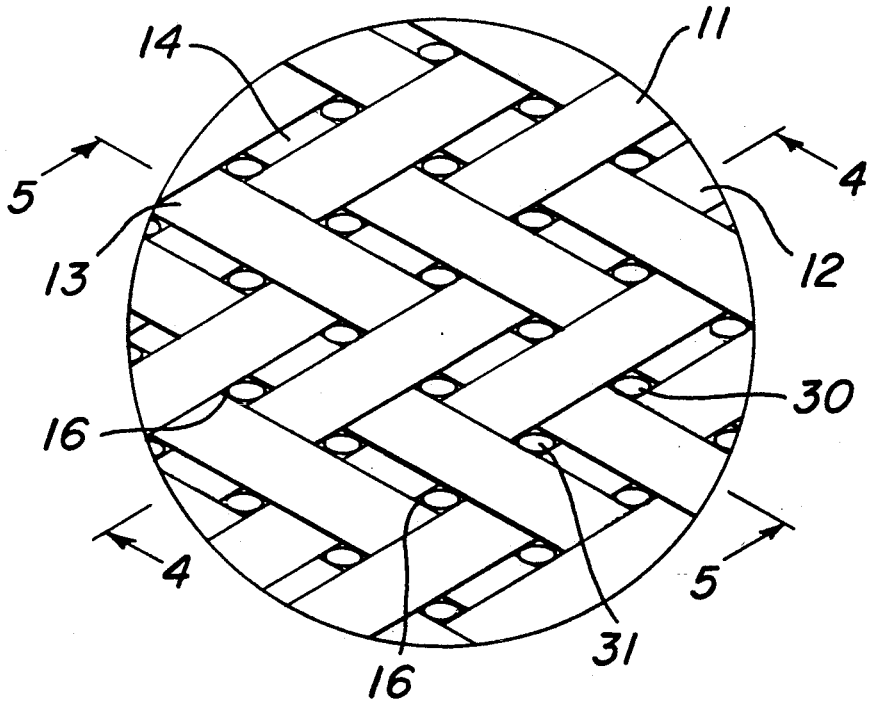
[57] **ABSTRACT**

An expandable braided product having greatly reduced tendency to splay at its ends when cut is provided by coating the braided product with a thin layer of elastomeric material which provides the desired anti-splaying property, while retaining the expandable characteristic whereby the product expands laterally when compressed longitudinally and when released returns to its original size and shape.

6 Claims, 2 Drawing Sheets