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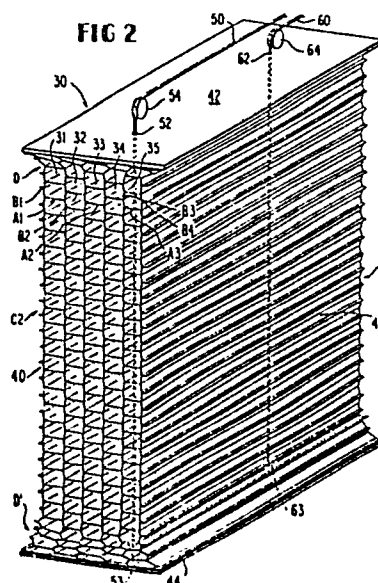
54 **Tubular insulating curtain and method of manufacture.**

57 A selectively collapsible and expandable insulating curtain (C2) and the method of making same, the curtain having a plurality of collapsible tubes, 31,32,33,34,35, preferably of plastic material, extending longitudinally for its width and superimposed one on top of the other in a row in the direction of curtain height.

Each tube has an upper wall and a lower wall secured together by bands of adhering contact A1, B2, A2, B3 on opposite sides of the tubular cavity. Additional bands of adhering contact secure superimposed tubes to each other longitudinally along midsections of the upper and lower walls. The side bands of contact define fold lines allowing collapse and expansion of the tubes as the curtain is raised and lowered, respectively, in the manner of a venetian blind. The curtain may include additional rows of superimposed tubes one adjacent to the other in the direction of curtain thickness.

In making the curtain, a plurality of thin-film strips are wound about the periphery of a forming member with bands of adhering material interlaminated between adjacent strips, the width of the midsection bands corresponding to the desired width of the expanded tubes and bands between successive adjoining layers being in a staggered relationship.

After winding is complete, the superimposed strips are cut transversely, removed from the forming member and straightened to form the curtain. The number of spaced bands may be such that the strips may also be cut longitudinally to provide a plurality of curtains. After straightening, means may be secured to the tubular structure for hanging and selectively collapsing and expanding the curtain.





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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. ²)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
	<p><u>GB - A - 935 822</u> (DUFAYLITE)</p> <p>* page 3, lines 95-130; page 4, lines 1-14; figures 1 to 4 *</p> <p>---</p> <p><u>US - A - 2 734 843</u> (STEELE)</p> <p>* column 2, lines 6-50; column 3, lines 7-18; column 4, lines 44-71; figures 1 to 6 *</p> <p>---</p> <p><u>US - A - 2 848 132</u> (DAVOUS)</p> <p>* column 2, lines 67-72; column 3, lines 1-6; figures 6,7,8 *</p> <p>---</p> <p><u>CH - A - 476 482</u> (LARSSON)</p> <p>* column 1, lines 37-40; column 2, lines 1-33; figures 1,2,3 *</p> <p>---</p> <p><u>DE - B - 1 213 217</u> (HOLLAND)</p> <p>* column 3, lines 1-22,38-63; column 4, lines 4-28; figures 1,2 *</p> <p>---</p> <p><u>US - A - 2 234 058</u> (MURRAY)</p> <p>* page 1, column 2, lines 30-59; figures 1,2,3 *</p> <p>---</p> <p><u>US - A - 4 019 554</u> (RASMUSSEN)</p> <p>* column 2, lines 19-68; column 3, lines 1-8; figures 1,2 *</p> <p>-----</p>	<p>1, 2, 4, 5, 6</p> <p>1, 2, 4, 5, 6</p> <p>7</p> <p>10</p> <p>1, 2, 4, 6</p> <p>1</p> <p>9</p>	<p>A 47 H 23/00 B 31 D 3/02</p> <p>TECHNICAL FIELDS SEARCHED (Int.Cl.²)</p> <p>A 47 H B 65 H B 31 D</p> <p>CATEGORY OF CITED DOCUMENTS</p> <p>X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons</p> <p>&: member of the same patent family, corresponding document</p>
A			
A			
D			
<p>X The present search report has been drawn up for all claims</p>			
Place of search		Date of completion of the search	Examiner
The Hague		22-06-1979	SCHOLS