

Title (en)

Selectively collapsible and expandable curtain and its method of manufacture.

Title (de)

Wahlweise zusammen faltbar oder ausdehnbar zu verwendender Vorhang und dessen Herstellungsverfahren.

Title (fr)

Rideau pouvant être replié ou déployé de manière sélective ainsi que méthode pour sa fabrication.

Publication

EP 0004455 A2 19791003 (EN)

Application

EP 79300444 A 19790321

Priority

- FI 780877 A 19780321
- FI 780878 A 19780321
- US 94208778 A 19780913

Abstract (en)

A selectively collapsible and expandable insulating curtain and the method of making same, the curtain having a plurality of collapsible tubes, 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 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 thinfilm 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.

IPC 1-7

A47H 23/00; **B31D 3/02**

IPC 8 full level

A47H 23/00 (2006.01); **B31D 3/02** (2006.01)

CPC (source: EP)

A47H 23/00 (2013.01); **B31D 3/0215** (2013.01); **E06B 9/262** (2013.01); **E06B 2009/2627** (2013.01)

Cited by

EP0222534A3; EP0227247A3; US4784215A; EP0494102A3; EP0220924A3; EP0230719A3; US4694144A; EP0162160A3; US4347887A; FR2892435A1; WO2007048951A1

Designated contracting state (EPC)

BE CH DE FR IT LU NL SE

DOCDB simple family (publication)

EP 0004455 A2 19791003; **EP 0004455 A3 19791128**; **EP 0004455 B1 19821201**; AU 4527179 A 19790927; AU 525184 B2 19821021; CA 1166951 A 19840508; DE 2964128 D1 19830105; DK 116879 A 19790922; GB 2017195 A 19791003; GB 2017195 B 19821006; NO 151379 B 19841217; NO 151379 C 19850327; NO 790951 L 19790924

DOCDB simple family (application)

EP 79300444 A 19790321; AU 4527179 A 19790320; CA 322662 A 19790302; DE 2964128 T 19790321; DK 116879 A 19790321; GB 7908953 A 19790314; NO 790951 A 19790321