

Title (en)

IMPROVED PACKAGE FOR COMPRESSIBLE PRODUCTS AND METHOD FOR PRODUCING SAME

Title (de)

VERPACKUNG FÜR ZUSAMMENDRÜCKBARE PRODUKTE UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

EMBALLAGE AMELIORE POUR PRODUITS COMPRESSIBLES ET SON PROCEDE DE PRODUCTION

Publication

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Application

EP 97947588 A 19971119

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Abstract (en)

[origin: WO9824711A1] In accordance with the present invention, products may be contained within a continuous sleeve which is unitarily formed or joined to itself to form a cylindrical sleeve in a low- or no-tension condition. Products may be inserted into the interior of the sleeve after formation or captured within the sleeve during its formation. The sleeve forms a continuous path encircling the product(s) in at least one plane through the products and package, defining an axial direction normal to the plane and a circumferential direction around the product(s) within the plane. One or more axially-extending pleats are unitarily formed from the material comprising the cylindrical wall of the sleeve, such that the circumference of the cylindrical sleeve is reduced. By reducing the circumference of the cylinder the interior volume of the sleeve, and thus the finished package, is reduced, thus subjecting the products within the package to a compressive force. The compressive force may be imparted in a single direction, such as by translationally moving a panel of the package inwardly, or may be imparted in more than one direction by a plurality of compression steps or by a uniform reduction in circumference resulting in a uniform inwardly-directed product compression. Where a panel is moved inwardly forming two parallel pleats, the distance travelled by the panel is approximately equal to the finished width of the pleat and the reduction in circumference is approximately equal to the sum of the width of the finished pleats or, in the case of pleats of equal size, twice the width of a finished pleat. Where a single pleat is formed so as to uniformly reduce the circumference of the sleeve, the reduction in circumference is approximately equal to the finished width of the pleat. Multiple pleats multiply the reduction in circumference.

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See references of WO 9824711A1

Cited by

EP2540637A1; US8763807B2; US7198154B2; US6926149B2; EP1321381A1; WO2013003715A1; US7213710B2; US7302783B2; US8936154B2

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