

Title (en)
METHOD AND MACHINES FOR TRANSFORMING INITIAL SEALED PACKAGINGS INTO IRREGULAR CUBIC OR POLYHEDRAL PACKAGINGS BY MEANS OF SEALING AND CUTTING FLAPS

Title (de)
VERFAHREN UND MASCHINEN ZUR TRANSFORMIERUNG ANFÄNGLICH ABGEDICHTETER VERPACKUNGEN IN UNREGELMÄSSIGE KUBISCHE ODER POLYEDRISCHE VERPACKUNGEN MITTELS DICHTUNGS- UND SCHNEIDEKLAPPEN

Title (fr)
PROCÉDÉ ET MACHINES DESTINÉS À TRANSFORMER DES EMBALLAGES INITIALEMENT SCELLÉS, EN EMBALLAGES CUBIQUES OU POLYÈDRES IRRÉGULIERS PAR SCELLEMENT ET SECTIONNEMENT DE RABATS

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Application
EP 12831334 A 20120913

Priority
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• ES 201200301 A 20120315
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• ES 201200926 A 20120910
• ES 2012000261 W 20120913

Abstract (en)
[origin: EP2857316A1] Transforming initial container with at least two sides of flexible material like film coil, which are sealed with fluids and/or paste and with solid or not inside, into three-dimensional geometric body shape. The process comprising of the following stages: 1-The initial container is grabbed preferably by central transversal area or one of its ends, by one or two fixing clamps (3) keeping a constant pressure force (adjustable) inward, but with adjustable damping to take back when original container increases in volume. 2-One or more impact clamps/bodys (6) hit one or two of perimeter sides, starting one, two, three, four or more flaps or triangles, and also to the same time the initial container is transforming blowing up or increasing it volume into three-dimensional geometrical body we desired [rectangular prism/cubic figure (if four flaps are sealed or sealed and cut) or irregular multi-faceted (if one, two, three flaps are sealed or sealed and cut). 3-Consecutive, one, two, three, four or more flaps or triangles created, are sealed (8) or sealed and cut (8) transversely (or approximately) to the area that is making contact; the flap and the rest of container. Advantages: -All the container sides may be smooth without flaps. -Improve Environmental and economic savings; not being necessary the use of cardboard in film and avoid flaps, further lowering the volume of waste and energetic cost and because helps the recycling. -The possibility to produce smaller 3D containers. -Dosage is easier and clean to increase the pressure. *Applicant certifies at the instance its proposal to publish 8 figure attached with the summary.

IPC 8 full level
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Citation (search report)
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• [I] EP 1555524 A1 20050720 - TETRA LAVAL HOLDINGS & FINANCE [CH]
• [I] FR 1393834 A 19650326 - HOLSTEIN & KAPPERT MASCHF
• [I] DE 1786450 C1 19770414 - TETRA PAK AB
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