

Title (en)

METHOD AND APPARATUS FOR PRODUCING VALVE BAGS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON VENTILBEUTELN

Title (fr)

PROCEDE ET DISPOSITIF DE FABRICATION DE SACS A VALVE

Publication

EP 1572442 A4 20081105 (EN)

Application

EP 03778074 A 20031031

Priority

- US 0334882 W 20031031
- US 42299502 P 20021101

Abstract (en)

[origin: WO2004041660A2] The present invention relates to a method and apparatus for folding and sealing a web of material to form an item with a contoured seal such as a valve bag. Folding apparatus form the web of film into a continuous tubular web having upper and lower sections, a closed side and an open side. The open side has two folded flaps that extend into an inside area of the tubular web. A longitudinal sealer includes a floating sealer located inside the tubular web. The floating sealer and its contoured heating element are selectively and intermittently pressed against the overlapping flaps to form a contoured seal that bonds the flaps together. The contoured seal defines a self-sealing valve port through which product is poured to fill the bag. Pairs of repelling magnets biasingly elevate the floating sealer above the overlapping flaps when the longitudinal sealer is in its release position. The sealer "floats" inside the continuous tubular web so that the web can be intermittently drawn past the floating sealer with a minimal amount of drag.

IPC 8 full level

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Citation (search report)

- [A] FR 2345293 A1 19771021 - ICI LTD [GB]
- [A] US 3812769 A 19740528 - BARNES J, et al
- See references of WO 2004041660A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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