

Title (en)
DEVICE FOR ONE-SIDED CLOSURE OF PACKAGE SLEEVES FOR THE PRODUCTION OF COMPOSITE PACKAGES

Title (de)
VORRICHTUNG ZUM EINSEITIGEN VERSCHLIESSEN VON PACKUNGSMÄNTELN FÜR DIE HERSTELLUNG VON VERBUNDPACKUNGEN

Title (fr)
DISPOSITIF POUR FERMER D'UN SEUL CÔTÉ DES ENVELOPPES D'EMBALLAGES POUR RÉALISER DES EMBALLAGES COMPOSITES

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Priority

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Abstract (en)
[origin: WO2017174280A1] The invention relates to a method for forming packaging bodies (88) open on one side from packaging jackets (63) open on both sides for the production of filled packagings (59), wherein: the packaging jackets (63) are kept at hand in a stack (81) for further processing, in a state in which the packaging jackets are folded flat around at least two folding edges (65) extending in the longitudinal direction of the packaging jackets (63); the packaging jackets (63) folded flat are transferred in succession from the stack (81) to a forming station (84); the packaging jackets (63) are unfolded in a forming station (84); in the forming station (84), the packaging jackets (63) are pulled through a channel (95), which comes in contact with the two opposite folding edges (65) of the packaging jacket (63) and is tapered transversely to the packaging jacket (63) and/or the the packaging jackets (63) are positioned in the forming station (84) between at least two molding halves (100, 101) of a mold (99) and are unfolded by closing the mold (99); and the unfolded packaging jackets (63) are pushed from the forming station (84) onto a mandrel (86) in order to close, in particular seal, a longitudinal end (87) of the packaging jacket (63).

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Cited by
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