

Title (en)

DEVICE AND METHOD FOR REDUCING RESTORING FORCES OF PACKAGING SLEEVES IN A FILLING MACHINE

Title (de)

VORRICHTUNG UND VERFAHREN ZUM REDUZIEREN VON RÜCKSTELLKRÄFTEN VON PACKUNGSMÄNTELN IN EINER FÜLLMASCHINE

Title (fr)

DISPOSITIF ET PROCÉDÉ DE RÉDUCTION DES FORCES DE RAPPEL D'ENVELOPPES D'EMBALLAGE DANS UNE MACHINE DE REMPLISSAGE

Publication

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Application

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Abstract (en)

[origin: WO2013143892A1] The invention relates to a method for reducing restoring forces of packaging sleeves in a filling machine. Packaging sleeves folded flat are removed from a magazine of the filling machine, erected to form a packaging sleeve forming a parallelogram, and then transferred to a transporting device for transporting the erected packaging sleeve along a transport path. According to the invention, in order to enable a reduction of the restoring force adapted to the particular material of the packaging sleeve without increasing the cycle time for the removal and unfolding of the packaging sleeve folded flat, the restoring force is reduced by temporarily increasing the interior angle between the packaging walls at the outer bending edges to more than 90° while the erected packaging sleeve is on the transport path of the transporting device. The restoring force can be reduced during the motion or during a standstill of the packaging sleeve on the transport path. The invention further relates to a filling machine for carrying out the method.

IPC 8 full level

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