

Title (en)

A FACILITY FOR FILLING PACKAGES IN A PRESSURE-SEALED CHAMBER AND THE METHOD OF FILLING

Title (de)

ANLAGE ZUM FÜLLEN VON PACKUNGEN IN EINER DRUCKDICHTEN KAMMER UND FÜLLVERFAHREN

Title (fr)

INSTALLATION DE REMPLISSAGE DE PAQUETS DANS UNE CHAMBRE PRESSURISÉE ET SON PROCÉDÉ DE REMPLISSAGE

Publication

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Application

EP 19000337 A 20190718

Priority

SK 442019 A 20190507

Abstract (en)

The facility for filling packages in a pressure-sealed chamber consists of a static (1) and a rotating part (2). The following operating elements are attached to the static part: a multifunctional sterilizing needle (11), a filling head (10), a sealing head (9), a bottom valve, and a package carrier (4). The rotating part is connected to the shaft (13) that extends through the static part (1). The method of filling packages in a pressure-sealed chamber, according to the invention, consists in the fact that the lower rotating part (2) is set in position No. 1 - sterilization, where the package (3) and the cap (20) are sterilized before being filled. The rotating part (2) is set to position No. 2 - filling. In this step, the pressure in the storage tank of the filled product (17) is equalized with the pressure in the filling chamber (5), and the filling process begins. The rotating part (2) is set to position No. 3 - sealing. The sealing head (9) seals the filled package (3) by moving downward; all the steps take place in a closed filling chamber.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [A] EP 2937310 A2 20151028 - KRONES AG [DE]

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WO2023237917A1

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