

Title (en)

METHOD FOR FILLING CONTAINERS ASEPTICALLY (OR IN A STERILE ENVIRONMENT) WITH LIQUID PRODUCTS, AND DEVICE FOR APPLYING THE METHOD

Publication

EP 0334288 B1 19911113 (DE)

Application

EP 89105038 A 19890321

Priority

DE 3809852 A 19880324

Abstract (en)

[origin: EP0334288A1] In a method and a device for filling containers, for example bottles, aseptically with liquid products using counterpressure, the particular container is subjected, in a sterilisation phase preceding filling, to the action of a pressurised hot, gaseous or vaporous sterilising medium on its inner surfaces, on its container mouth and on its outer surface adjoining the container mouth. In this process, the particular container is arranged completely in one chamber both during the sterilisation phase and during the filling phase in such a way that the container interior is in communication with the interior of this chamber via the container mouth. The sterilising medium is introduced into the container via a filling tube which serves for subsequent filling and is at a distance from the container mouth. The chamber is closed to the environment at least during part of the sterilising phase, but also during the subsequent filling phase, so that at least during this part of the sterilisation phase a sterilisation-medium pressure above atmospheric pressure is established in the chamber and during the filling phase the product is delivered to the particular container against a counterpressure prevailing in the interior of the chamber.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Cited by

ITBO20090077A1; EP0455096A1; US5167266A; US5558135A; EP0539791A1; EP2261169A1; EP0528217A1; EP0465976A1; EP3808696A1; US8968645B2; WO2007134803A3; WO9842612A3; WO9118823A1; WO9851609A1; WO9842613A3; EP3808696B1; EP2641863B2

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