

Title (en)

AUXILIARY DEVICE, AND METHOD FOR FINISHING PREFORMS

Title (de)

HILFSVORRICHTUNG SOWIE VERFAHREN ZUR NACHBEHANDLUNG VON PREFORMEN

Title (fr)

DISPOSITIF AUXILIAIRE ET PROCÉDÉ DE POST-TRAITEMENT DE PRÉFORMES

Publication

**EP 2038102 A1 20090325 (DE)**

Application

**EP 07720216 A 20070628**

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Abstract (en)

[origin: CA2653892A1] The invention relates to an auxiliary device and a method for finishing a nd calibrating preforms (10) that are removed from a multiple tool in an uns table shape, the calibration process being performed with the aid of compres sed air immediately after removing and withdrawing the preforms (10) from th e multiple tool. Nipples that can be inserted into the preforms (30) are pro vided with expandable pressing rings or sealing rings (56) in order to seal the interior of the blow-molded part of the preforms (10). The compressed ai r is introduced via the nipples (30), the sealing process being performed by radially expanding the pressing rings or sealing rings (56) in analogy to t he closing process of thermoses, thus protecting the preforms (10) from adve rse forces. The sealing point can be randomly selected in the transition zon e from the threaded part to the blow-molded part of the preforms (10). The i nvention allows the interior of the blow-molded part (43) to be optimally se aled without affecting the form stability and dimensional stability of the p reforms (10). In special types of preforms, the areas that are not supported in the cooling sleeves can be preconsolidated on the outside by means of co ol air from the moment the preforms are transferred to the removing sleeves or cooling sleeves.

IPC 8 full level

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