

Title (en)

Process for operating freeze-drying plants having a chamber and loading and unloading devices, and appropriate plants of this type.

Title (de)

Verfahren zum Betrieb von Gefriertrocknungsanlagen mit einer Kammer und mit Be- und Entlade-einrichtungen sowie dafür geeignet ausgebildete Anlagen dieser Art

Title (fr)

Procédé pour faire fonctionner des installations de lyophilisation avec une chambre et avec dispositifs de chargement et de déchargement, et installations appropriées de ce type

Publication

EP 1712859 B1 20131030 (DE)

Application

EP 06005688 A 20060321

Priority

DE 102005017140 A 20050413

Abstract (en)

[origin: EP1712859A2] The method involves using loading and unloading devices with transfer from a conveyor belt (6) by a transfer table (7). During loading of the superposed stands (4) the transfer table substantially retains its operating position and at least the area of the loading opening (2) above the transfer table is closed after the containers have been pushed by the slider (8) from the conveyor belt over the table to the stands. The area of the loading opening underneath the transfer table is closed in that the table in the last phase of its movement into its operating position rests on the lower edge of the opening. An independent claim is included for a freeze dryer unit with chamber containing superposed stands for the containers wherein the closing means (11,12) for the loading opening can be actuated so that when the transfer table is pushed in the area of the opening above same is closed.

IPC 8 full level

F26B 5/06 (2006.01); **F26B 25/00** (2006.01)

CPC (source: EP US)

F26B 5/06 (2013.01 - EP US); **F26B 25/003** (2013.01 - EP US)

Cited by

EP2112447A3; US2016152141A1; US9796273B2; NL2003338C2; CN102483303A; US9316438B2; WO2011015453A1; EP2112447A2; DE102008020705A1

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