

Title (en)

Freeze-drying plant and device for loading and unloading an adjustable plate of a freeze-drying plant

Title (de)

Gefriertrocknungsanlage und Vorrichtung zum Be- und Entladen einer Stellplatte einer Gefriertrocknungsanlage

Title (fr)

Installation de lyophilisation et dispositif de chargement et de déchargement d'une plaque de réglage d'une installation de lyophilisation

Publication

EP 2211132 B1 20140402 (DE)

Application

EP 09014814 A 20091215

Priority

DE 102008064094 A 20081219

Abstract (en)

[origin: US2010154242A1] Described in the examples herein are devices for loading and unloading of an adjusting plate of a freeze-drying apparatus with a number of vials, with a transfer table provided upstream of the freeze-drying apparatus for temporary accommodation of the vials, with a shifting device for shifting the vials from the transfer table onto the adjusting plate or from the adjusting plate onto the transfer table, and with a right and/or left side limit. According to one example, the creation of a device, so that the vials can be brought into and out of the freeze-drying apparatus by maintaining their sequence and order, is achieved by the side limit being provided with elements which are movable with low friction by striking vials.

IPC 8 full level

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CPC (source: EP US)

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Cited by

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