

Title (en)

Apparatus for loading and/or unloading the shelves of a freeze drying enclosure.

Title (de)

Vorrichtung zum Be- und/oder Entladen der Regale eines Gefriertrocknungsraumes.

Title (fr)

Dispositif de chargement et/ou de déchargement des étagères d'une cuve de lyophilisation.

Publication

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Application

EP 90403256 A 19901119

Priority

- FR 8915167 A 19891120
- FR 9009901 A 19900802
- FR 9012734 A 19901016

Abstract (en)

[origin: EP0429348A1] The bottles (5) are collected and stored on a vibrating table (2) equipped with a movable arm (8) for locking the bottles on at least a part of the surface (3) of the vibrating table. A movable transfer frame (11) bearing retractable boards (15, 16) is capable of being displaced between the plane surface (10) of a movable carriage (1) and the surface (3) of the vibrating table in order to collect and transfer the accumulated bottles. Application in installations for freeze-drying bottles. <IMAGE>

IPC 1-7

F26B 25/00; F26B 5/06; B65G 65/00

IPC 8 full level

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CPC (source: EP)

F26B 5/06 (2013.01); **F26B 25/003** (2013.01)

Cited by

FR2780148A1; EP0931738A1; EP0618417A1; CN110498193A; CN105775701A; DE102007034197A1; DE102007034197B4; CN113184556A; FR2774080A1; CN115388643A; US6269932B1; US8197171B2; WO2006008006A1; US7836606B2; US6206173B1

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