

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

EP 0429348 A1 19910529 (FR)

Application

EP 90403256 A 19901119

Priority

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

Abstract (en)

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>

Abstract (fr)

Les flacons (5) sont recueillis et stockés sur une table vibrante (2) équipée d'un bras mobile (8) de blocage des flacons sur au moins une partie du plateau (3) de la table vibrante. Un cadre mobile de transfert (11) portant des volets éclipseables (15,16) est apte à se déplacer entre la surface plane (10) d'un chariot mobile (1) et le plateau (3) de la table vibrante pour recueillir et transférer les flacons accumulés. Application aux installations de lyophilisation de flacons.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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