

Title (en)

HANDLING DEVICE FOR HANDLING COLLAPSIBLE CONTAINERS

Title (de)

BEHANDLUNGSVORRICHTUNG ZUM BEHANDELN KLAPPBARER BEHÄLTNISSE

Title (fr)

DISPOSITIF DE MANIPULATION PERMETTANT DE MANIPULER DES RÉCIPIENTS PLIABLES

Publication

**EP 4065911 A1 20221005 (DE)**

Application

**EP 21839374 A 20211213**

Priority

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- EP 2021085355 W 20211213

Abstract (en)

[origin: WO2022167129A1] A handling device (1) for handling collapsible containers (2) intended for transport and storage. The containers (2) each have at least one bottom wall (2.B) and at least one side wall (2.S), the side wall (2.S) being connected to the bottom wall (2.B) articulatedly in such a way that the container (2) is designed to be transferrable from a collapsed state into an erected state. The handling device (1) comprises a handling chamber (3) having at least one holding device (4) arranged in the handling chamber (3) and a rotary unit (5) arranged in the handling chamber (3), a delivery unit (6) arranged in a delivery plane Z, the delivery unit (6) conveying the containers (2) in a delivery direction ZFR to the handling chamber (3) and transferring the containers (2) in the collapsed state to the handling chamber (3), and a removal unit (7) arranged in a removal plane A, the removal unit (7) conveying the containers (2) in a removal direction AFR away from the handling chamber (3), the containers (2) being transferred in the erected state from the handling chamber (3) to the removal unit (7). The rotary unit (5) has a rotation axis DA running substantially in the horizontal direction. The at least one holding device (4) is formed and designed in such a way that it can be brought into contact with the container (2) exclusively in the region of the bottom wall (2.B). The holding device (4) fixes the container (2) in its position by exerting a holding force acting in the plane of the bottom wall (2.B).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2022167129A1

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BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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