

## Title (en)

Method and machine for cartoning horizontally-arranged bottles

## Title (de)

Verfahren und Maschine zum Kartonieren von horizontal angeordneten Flaschen

## Title (fr)

Procédé et machine pour la mise sous carton de bouteilles rangées de manière horizontale

## Publication

**EP 2687448 A1 20140122 (EN)**

## Application

**EP 13177130 A 20130718**

## Priority

IT TV20120134 A 20120718

## Abstract (en)

A method for cartoning horizontally-arranged bottles 2, characterized in that it comprises the steps of depositing a first layer of horizontally-arranged bottles (2) inside a box-like container (3) stationary in a loading station (5); positioning, inside the box-like container (3), a dividing element with collapsible alveolar structure (13) in a deployed configuration above said first layer of bottles (2), by inserting the transversal partitioning walls (13b) of the dividing element with collapsible alveolar structure (13) between the horizontally-arranged bottles (2) forming the first layer of bottles (2), and placing the longitudinal partitioning wall (13a) of the dividing element with collapsible alveolar structure (13) resting on the lateral side of all the bottles (2) forming the first layer of horizontally-arranged bottles (2); and depositing, inside the same box-like container (3), a second layer of horizontally-arranged bottles (2) above the dividing element with collapsible alveolar structure (13), by inserting each horizontally-arranged bottle (2) of the second layer of bottles (2) within a respective cell of the dividing element with collapsible alveolar structure (13).

## IPC 8 full level

**B65B 61/20** (2006.01); **B65B 21/02** (2006.01); **B65B 21/12** (2006.01)

## CPC (source: EP)

**B65B 21/025** (2013.01); **B65B 21/12** (2013.01); **B65B 35/58** (2013.01); **B65B 61/207** (2013.01)

## Citation (applicant)

EP 1338536 A2 20030827 - OMA SRL [IT]

## Citation (search report)

- [A] FR 2217248 A1 19740906 - FAIVELEY SA [FR]
- [A] DE 2234583 A1 19740131 - HAENSEL OTTO GMBH
- [A] DE 10353103 A1 20050630 - KRONES AG [DE]
- [A] DE 1231613 B 19661229 - SCHICKEDANZ VER PAPIERWERK
- [A] FR 2654071 A1 19910510 - BORTOLIN KEMO SPA [IT]
- [A] US 3802154 A 19740409 - DILLON M

## Cited by

CN113928664A; CN113753295A; ITUB20155339A1; CN106927074A; CN108438301A

## Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

## Designated extension state (EPC)

BA ME

## DOCDB simple family (publication)

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## DOCDB simple family (application)

**EP 13177130 A 20130718**; ES 13177130 T 20130718; IT TV20120134 A 20120718