

## Title (en)

Crate for transporting bottles or the like.

## Title (de)

Kiste durchbrochener Bauart für den Transport von Flaschen oder dgl.

## Title (fr)

Caisse à claire-voie pour le transport de bouteilles ou analogues.

## Publication

**EP 0013855 A1 19800806 (FR)**

## Application

**EP 79401052 A 19791220**

## Priority

FR 7901118 A 19790117

## Abstract (en)

[origin: US4319685A] The crate is capable of being fitted in other crates to form a stack. The crate comprises an upper girdle portion, an apertured bottom portion, and lateral walls and inner partition walls formed by inclined arms which may form a vertical geometric projection in the empty spaces of the bottom portion in the plane of the latter. These arms form surfaces of pyramids for maintaining and separating the bottles or the like. The inclined arms are capable of sliding on those of another crate when a plurality of crates are fitted together. At least a part of the apices of the inclined arms is capable of coinciding of solid parts of the apertured bottom portion of an identical crate which is placed in a different orientation above the first crate.

## Abstract (fr)

Caisse cloisonnée à claire-voie, empilable et emboîtable, comportant une ceinture supérieure (80), un fond ajouré (72) et des parois latérales ainsi que des séparations intérieures constituées par des bras inclinés (70, 71, 76, 77, 81, 82, 94), se projetant horizontalement dans les espaces vides du fond et formant des surfaces pyramidales de maintien et de séparation des bouteilles ou analogues. Les bras inclinés (70, 71, 76, 77, 81, 82, 94) peuvent glisser sur ceux d'une autre caisse lors de l'emboîtement de plusieurs caisses. Une partie au moins des sommets (83) peut coïncider avec des parties pleines du fond d'une caisse identique placée dans une orientation différente, au-dessus de la première.

## IPC 1-7

**B65D 1/38**

## IPC 8 full level

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## Citation (search report)

- FR 2313274 A1 19761231 - SICOPAL SA [FR]
- FR 2322789 A1 19770401 - FREYA PLASTIC DELBROUCK F [DE]
- FR 1426764 A 19660128 - METALLURGIE & PLASTIC SA
- FR 2132692 A1 19721124 - SARVIS OY
- US 3261498 A 19660719 - GERALD ERICKSON
- US 2401063 A 19460528 - FORDON LEE A
- GB 792963 A 19580409 - T N R ENGINEERING COMPANY LTD
- FR 2294925 A1 19760716 - DAVID PIERRE [FR]

## Cited by

EP0318123A1; EP0073954A3; EP0464894A1; DE19531397A1; EP0564029A1; BE1005725A3; WO9325442A1

## Designated contracting state (EPC)

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