

Title (en)

Boxes for bottles and the like with increased resistance to bottom opening

Title (de)

Behälter für Flaschen und Ähnliches mit erhöhter Bodenöffnungsfestigkeit

Title (fr)

Caisses de bouteilles et analogues ayant une résistance accrue pour l'ouverture de la partie basse

Publication

EP 1816080 A1 20070808 (EN)

Application

EP 07001507 A 20070124

Priority

IT MI20060171 A 20060201

Abstract (en)

A box for bottles and the like with increased resistance to bottom opening, comprising a die-cut sheet-like element (1) which defines lateral faces (2,3,4,5) separated by longitudinal folding lines (6). A bottom element (10) is connected to the free end of one of the lateral faces, with the interposition of a first transverse folding line (11), and ends with a closure flap (13) which is separated by a second transverse folding line (12). Bottom flaps (15) are provided at the ends of the lateral faces (2,3,4,5) which are laterally adjacent, when the box is formed, to the lateral face provided with the bottom element; the bottom flaps (15) are connected to the laterally adjacent lateral faces by means of third transverse folding lines (16) and can be folded onto the bottom. There are also locking wings (30), which protrude laterally from the bottom flaps, and locking slots (31,32), which can be engaged by the bottom wings. At least one of the locking slots (31,32) is defined at the first transverse folding line (11).

IPC 8 full level

B65D 5/02 (2006.01)

CPC (source: EP)

B65D 5/0254 (2013.01)

Citation (applicant)

EP 1780131 A1 20070502 - GRAFICA ZANNINI S P A [IT]

Citation (search report)

- [E] EP 1780131 A1 20070502 - GRAFICA ZANNINI S P A [IT]
- [A] EP 0519389 A1 19921223 - ABAR SERVICE SRL [IT]
- [A] FR 2807399 A1 20011012 - ALLARDI [FR]
- [A] EP 1067054 A1 20010110 - OREAL [FR]

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WO2012010989A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

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