

Title (en)
A TRAY WITH A REINFORCED COVER

Publication
EP 0392624 B1 19930901 (EN)

Application
EP 90200861 A 19900409

Priority
NL 8900889 A 19890410

Abstract (en)
[origin: EP0392624A1] Collapsible tray and tray cover formed from a blank and each comprising a bottom wall (1; 2), upright walls (7-10; 22-24) connected to said bottom wall along fold lines (4, 5; 19-21), where in each corner of said bottom wall the adjacent upright walls are interconnected by a rectangular connecting flap (14; 28) and a substantially isosceles-triangular connecting area (12; 26) bounded by a substantially 45 DEG fold line (11; 25) in the other wall meeting at said corner. Said connecting flap (14; 28) and said connecting area (12; 26) are mutually fastened by the use of adhesive after folding back the connecting area against the rear side of the relevant upright wall, so that in the collapsed state of the box, the upright walls are foleded down on top of the bottom wall with the triangular connecting areas (12; 26) and the connecting flaps (14; 28) located between adjacent upright wall panels. The invention provides such a ready-for-use collapsible box, a two-part pulling element (32, 38), the two parts of which being interconnected by a fold line (37), said pulling element being arranged at one of the fold lines connecting for example cover walls (2; 22, 23), such that, while its parts (37, 38) are attached to the said cover walls (2; 22, 23), the fold line (37) of the pulling element is parallel to the cover fold line (19, 20) and off-set in relation to the cover fold line (19, 20) towards the middle of the cover bottom wall (2). The effect of the pulling element (32, 38) so arranged is that in the position of use and the tray closed by the cover, the upright cover wall (22, 23) is pulled inside against the adjacent upright wall (7, 8) of the tray, preventing this tray wall from flexing outwards under vertical load.

IPC 1-7
B65D 5/36; B65D 5/44; B65D 5/66

IPC 8 full level
B65D 5/00 (2006.01); **B65D 5/36** (2006.01); **B65D 5/44** (2006.01)

CPC (source: EP)
B65D 5/0045 (2013.01); **B65D 5/3642** (2013.01); **B65D 5/443** (2013.01)

Cited by
AU763517B2; WO0007887A1

Designated contracting state (EPC)
BE DK ES NL

DOCDB simple family (publication)
EP 0392624 A1 19901017; EP 0392624 B1 19930901; ES 2043246 T3 19931216; NL 8900889 A 19901101

DOCDB simple family (application)
EP 90200861 A 19900409; ES 90200861 T 19900409; NL 8900889 A 19890410