

Title (en)

TRAY MADE FROM CARDBOARD SHEET MATERIAL FOR MANUAL ASSEMBLY AND BLANK FOR PRODUCING SUCH A TRAY

Title (de)

AUS PAPPEBAHNMATERIAL HERGESTELLTE SCHALE ZUR MANUELLEN MONTAGE UND ROHLING ZUR HERSTELLUNG SOLCH EINER SCHALE

Title (fr)

PLATEAU EN MATIÈRE EN FEUILLE DE CARTON A MONTAGE MANUEL ET FLAN POUR LA RÉALISATION D'UN TEL PLATEAU

Publication

EP 3102494 B1 20171227 (FR)

Application

EP 15705678 A 20150202

Priority

- FR 1400297 A 20140203
- FR 2015050232 W 20150202

Abstract (en)

[origin: WO2015114277A1] A tray (1) made from cardboard sheet material comprising a rectangular base (2) and a ring (3) of side walls (4, 5, 6, 7), including two opposed first side walls (5, 7), referred to as first walls, symmetric with respect to a transverse axes (8) of the tray and each respectively provided with at least one reinforcing element (9) forming a pillar, and two second walls (4, 6), including a second rear wall (6) and a second front wall (4) of lesser height than the other walls. Each of the walls is formed by a double panel obtained by folding an internal section (10, 11, 12, 13) over an external section (14, 15, 16, 17), characterized in that the external section (16) of the second rear wall (6) is attached to the base by a first fold line (18) and to the external sections (14, 15) of the two first walls (5, 7) by second fold lines (19, 20) perpendicular to the first fold line (18), the internal sections (10, 11) of said first walls (5, 7) are attached to said external sections (14, 15), respectively, by a third double fold line (21, 22) and the internal sections (12, 13) of the second walls (4, 6) to the corresponding external sections (16, 17) by fourth double fold lines (23, 24), the respective internal sections (10, 11, 12, 13) having the same dimensions, or essentially the same dimensions, as the respective external sections (14, 15, 16, 17), the free peripheries (25, 26, 27, 28) thereof opposite said fourth double fold lines (21, 22, 23, 24) being locked by friction and or by snapping of lugs (30, 31; 32, 33; 34, 35; 36, 37, 38) with the upper face (29) and/or corresponding recesses (39, 40; 41, 42) of the base (2) of the tray, and in that the internal sections (10, 11) of the first walls (5, 7) each comprise a central rectangular panel (43, 44) of length I less than width L of the base (2), said panel (43, 44) being linked at one of its side ends (45, 46) by a fifth fold line (47, 48) to the reinforcing element (9) forming a pillar provided with an end flap, said first flap (49, 50) engaging with the internal face (51) of the external section (17) of the second front wall (4), said reinforcing element (9) being folded and locked with respect to said central panel (43, 44) by means of a lateral flap, said second flap (52, 53), linked to the external section (14, 15) of the first wall (5, 7) by a sixth double fold line (54, 55) situated on the opposite face to the second fold lines (19, 20).

IPC 8 full level

B65D 5/00 (2006.01); **B65D 5/22** (2006.01)

CPC (source: EP KR US)

B65D 5/0025 (2013.01 - EP KR US); **B65D 5/22** (2013.01 - EP KR US)

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

DOCDB simple family (publication)

WO 2015114277 A1 20150806; EP 3102494 A1 20161214; EP 3102494 B1 20171227; FR 3017114 A1 20150807; FR 3017114 B1 20160219; JP 2017507857 A 20170323; JP 6523310 B2 20190529; KR 102256946 B1 20210527; KR 20160117451 A 20161010; MY 182022 A 20210118; PH 12016501443 A1 20160822; PH 12016501443 B1 20160822; TN 2016000257 A1 20171006; US 2016362218 A1 20161215; US 9718575 B2 20170801

DOCDB simple family (application)

FR 2015050232 W 20150202; EP 15705678 A 20150202; FR 1400297 A 20140203; JP 2016549721 A 20150202; KR 20167020859 A 20150202; MY PI2016702672 A 20150202; PH 12016501443 A 20160721; TN 2016000257 A 20150202; US 201515116152 A 20150202