

Title (en)

Method for making a box and box thus obtained

Title (de)

Verfahren zur Herstellung einer Schachtel und auf diese Weise hergestellte Schachtel

Title (fr)

Procédé de fabrication d'une boîte et boîte ainsi obtenue

Publication

EP 2000294 A3 20130501 (EN)

Application

EP 08157344 A 20080530

Priority

IT BO20070395 A 20070601

Abstract (en)

[origin: EP2000294A2] A box (1) is made according to the method, including a box body (1a) defined by a bottom wall (2), several side wall (3, 4), and several angles (4a) delimited by adjacent side walls; and angular elements (5) arranged at an angle (4a). The method includes a step of folding a flat blank (16) displaying a central panel (2') which defines the bottom wall (2), at least one first side panel (4') which includes an appendix (6), and two second side panels (3'); in the step of folding, the side panels are folded to define the side walls; the appendix is folded to define a corner of an angle of the box body and to overlap a second panel; and a step of fastening in which the angular element is fixed to the box body. The main feature of the method consists in that it includes a step of affixing in which the angular element is arranged on the flat blank; the step of affixing being essentially prior to the step of folding.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [X] US 4596542 A 19860624 - MOEN LENARD E [US]
- [X] DE 20216854 U1 20030130 - A & R CARTON GMBH [DE]
- [X] US 2002022560 A1 20020221 - ZOECKLER MICHAEL [US], et al

Cited by

WO2011095878A1; ITUD20100019A1; CN111498241A; GB2595293A; US10745169B2; WO2021233978A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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