

Title (en)  
PARTITION ELEMENT, ESPECIALLY FOR A CARDBOARD BOX, AND MACHINE FOR THE AUTOMATIC SHAPING AND INSERTING OF THIS DEVICE

Publication  
**EP 0209480 B1 19900523 (FR)**

Application  
**EP 86450014 A 19860617**

Priority  
FR 8509427 A 19850619

Abstract (en)  
[origin: EP0209480A1] 1. A cuboid separator for packing boxes, formed from a single cardboard blank, which is cut out, scored and shaped with a view to forming a plurality of individual juxtaposed compartments, comprising rectangular or square panels (1 to 4; 7 to 15), which are integral with one another, the panels being separated by perpendicular or parallel cutting and/or scoring lines (5, 11, 16) for determining, when the separator is shaped : - a vertical central double separating partition (1, 2), - two double lateral partitions (7, 8; 9, 10) located in the plane of and on either side of the said central partition (1, 2), - partitions (12 to 15) perpendicular to the above-mentioned partitions and formed by single panels ; - single panels (22) as an extension of the said partitions (12, 15), and - joining panels (3, 4) of the said double partitions and of the said single partitions (12 to 15), each being extended by three single panels (19a, 19b, 19c) located in the same plane and parallel to the double partitions (1, 2; 7, 8; 9, 10), one of the panels of each double lateral partition (7, 8; 9, 10) extending by an appropriate cut-out (18; 33, 34) to the adjacent lateral panel, the said separator being characterised in that each of the two panels (1, 2) of the said double central separating partition extends, via another appropriate cut-out in the form of a flap (1a, 2a), to the other panel, and in that the said cut-out (18; 33, 34) is appropriately shaped and dimensioned, so that in the folded position of the separator, the said cut-outs (18, 33, 34) are locked in the plane of the double central partition, both mutually and by means of the other cut-outs (1a, 2a) of the double central partition.

IPC 1-7  
**B65D 5/48**

IPC 8 full level  
**B31B 11/00** (2006.01); **B65D 5/48** (2006.01); **B65D 5/49** (2006.01)

CPC (source: EP)  
**B31D 5/0004** (2013.01); **B65D 5/48034** (2013.01); **B31B 50/81** (2017.07); **B31B 2105/00** (2017.07); **B31B 2120/20** (2017.07)

Cited by  
FR2997682A1; CN104812562A; US11254080B2; WO2014072591A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0209480 A1 19870121; EP 0209480 B1 19900523**; AT E52984 T1 19900615; DE 3671420 D1 19900628; ES 297124 U 19890301; ES 297124 Y 19891001; ES 556886 A0 19890201; ES 8900135 A1 19890201; FR 2583718 A1 19861226; FR 2583718 B1 19880408; PT 82782 A 19860701; PT 82782 B 19930129

DOCDB simple family (application)  
**EP 86450014 A 19860617**; AT 86450014 T 19860617; DE 3671420 T 19860617; ES 297124 U 19880801; ES 556886 A 19860618; FR 8509427 A 19850619; PT 8278286 A 19860618