

Title (en)
System-locking,hexagonal carton with handle

Title (de)
Selbstverriegelbare, hexagonale Faltschachtel mit Handgriff

Title (fr)
Emballage de forme hexagonale

Publication
EP 0881153 A1 19981202 (FR)

Application
EP 97870073 A 19970526

Priority
EP 97870073 A 19970526

Abstract (en)
The box is made from a cardboard panel, cut out and folded to the required shape. It has upper and lower fold lines with a series of near vertical fold lines (3 - 8) between them forming the sides of the box, a number of flaps (9 - 12) below the lower fold line making the hexagonal base, and flaps (15') above the upper fold line which make two carrying handles. Above the upper fold line and in between the flaps which form the handles the lateral edges (16') of the flaps meet at a point (18) lying in line with an extension of one of the vertical fold lines (5). The point (18), and a similar one on the opposite side of the box when made up, is connected to the adjacent vertical fold lines by two short additional fold lines (19, 20) which slope from the point to the upper horizontal fold line.

Abstract (fr)
L'invention concerne un emballage de forme hexagonale obtenu par pliage d'un flan de carton, caractérisé en ce que: au-dessus d'une ligne de pliage supérieure (1) et entre deux prolongements verticaux (15) les bords latéraux (16) de ces derniers se rejoignent en un point (18) situé sur une arête de pliage (5,8) entre deux arêtes de pliage appartenant l'une et l'autre à un prolongement vertical et en ce que deux petites arêtes de pliage additionnelles (19,20) s'étendent l'une et l'autre à partir du point précité en direction de l'endroit où la ligne de pliage supérieure coupe l'arête de pliage la plus proche appartenant à un prolongement vertical. <IMAGE>

IPC 1-7
B65D 5/46

IPC 8 full level
B65D 5/00 (2006.01); **B65D 5/02** (2006.01); **B65D 5/46** (2006.01); **B65D 5/462** (2006.01)

CPC (source: EP)
B65D 5/008 (2013.01); **B65D 5/029** (2013.01); **B65D 5/46096** (2013.01)

Citation (search report)
• [A] US 4230261 A 19801028 - AUSTIN JOHN J
• [A] US 4307834 A 19811229 - ROCCAFORTE HARRY I
• [A] GB 889718 A 19620221 - SHIRLEY AND WARBEY BOX COMPANY
• [A] CH 591993 A5 19771014 - MUELLER & LEUTWYLER AG
• [A] GB 2269160 A 19940202 - M PAK LTD [GB]

Cited by
EP1225130A1; US9643749B2

Designated contracting state (EPC)
BE DE FR GB IT LU NL

DOCDB simple family (publication)
EP 0881153 A1 19981202; EP 0881153 B1 20000802; DE 69702703 D1 20000907

DOCDB simple family (application)
EP 97870073 A 19970526; DE 69702703 T 19970526