

Title (en)
SELF-CLOSING BOXES

Title (de)
SELBSTSCHLIESSENDE FALTSCHACHTEL

Title (fr)
BOITES A FERMETURE AUTOMATIQUE

Publication
EP 0804369 A1 19971105 (EN)

Application
EP 95905705 A 19950116

Priority
GB 9500078 W 19950116

Abstract (en)
[origin: WO9622230A1] A box, formed by folding from a flat creased cardboard blank of thin and resilient material, is of generally polyhedral shape and has an edge (the closure line) (25) at which two faces (the closure faces) (17, 18) meet separately; pressing the vertices at the ends of that line together (at 26) splay those faces resiliently apart (at 27) along that line to allow access to the interior of the box. The closure line may be closed by temporary sealing means (e.g., peelable adhesive tape or a tear-off closure strip) (37-39). The closure faces may have an overlap (Figs. 3A-3C) for firmer closure; the overlap may be initially folded in to form a "pillow pack" (Fig. 4). A variety of shapes are possible, preferably having a flat base with the closure line lying above and parallel to the base. One basic shape is a triangular prism lying on its side (Figs. 2A and 2B); another is a rectangular base with, rising from it, four vertical sides with their top ends sloped in zig-zag fashion, and closed by two sloping triangular top faces - the side faces may be trapeziform (Fig. 5) or triangular (Fig. 6). The boxes may be nested together in partially assembled form with open bases. The boxes may be stored flat, with their bases automatically assembling when they are opened out.

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