

Title (en)

FOLDING CARTON

Publication

**EP 0207407 B1 19890614 (DE)**

Application

**EP 86108481 A 19860620**

Priority

- DE 3523416 A 19850629
- DE 3605413 A 19860220

Abstract (en)

[origin: US4733916A] In a folding box consisting of a cardboard blank part (1) and a plastic foil blank part (3) glued thereto, thinned-down areas (17) are placed in the foil blank part (3) at the overlap spots between the two blank parts in the area of the box edges, which directly adjoin the bend lines (13) and extend at least across the overlap length. The thinned-down areas (17) compensate stresses arising in the foil material at the overlap spots during folding, this compensation being by deformation, without which the cardboard material is stretched at the edge overlap spots so that it tears.

IPC 1-7

**B65D 5/42**

IPC 8 full level

**B65D 5/42** (2006.01)

CPC (source: EP US)

**B65D 5/4204** (2013.01 - EP US); **B65D 5/4266** (2013.01 - EP US); **Y10S 229/92** (2013.01 - EP US); **Y10S 229/93** (2013.01 - EP US)

Cited by

CN111573003A; WO2007076544A1

Designated contracting state (EPC)

CH DE FR GB IT LI NL

DOCDB simple family (publication)

**EP 0207407 A2 19870107**; **EP 0207407 A3 19871007**; **EP 0207407 B1 19890614**; DE 3663923 D1 19890720; IL 79204 A0 19860930; US 4733916 A 19880329

DOCDB simple family (application)

**EP 86108481 A 19860620**; DE 3663923 T 19860620; IL 7920486 A 19860624; US 87789886 A 19860624