

Title (en)
Vertical crush resistant packaging

Title (de)
Druckfeste Verpackung bei vertikalem Druck

Title (fr)
Emballage résistant à l'écrasement vertical

Publication
EP 1657169 B1 20070117 (EN)

Application
EP 05256856 A 20051104

Priority
GB 0424627 A 20041108

Abstract (en)
[origin: EP1657169A1] A tubular structure 30 for a case constructed from foldable sheet material, is formed by folding a blank and overlapping and securing its opposed ends 14a, 14b so that the overlap 18 is present towards the centre of a vertical panel of the erected case in use. The additional material at the overlap improves the vertical crushing resistance of the case and may compensate for lines of weakness 38a, 38b, 38c, 38d, 38e bounding a tear-out portion used to convert the case from a transit to a display mode, or other weakenings. As shown, the overlap 18 is in a shorter vertical panel and confronting regions of the composite inner end closure flaps 28a, 28b, 32a, 32b have interlocking wavy edges 34a, 34b. The parts of these inner composite flaps lie co-planar in their end closures. In an alternative embodiment (Fig. 7), the overlap is provided in a longer vertical panel and extends into the adjacent composite end closure flaps.

IPC 8 full level
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CPC (source: EP)
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Cited by
JP2019156403A; WO2018034887A1; US11338974B2; JP2011088659A

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