

Title (en)

COLLAPSIBLE ARTICLE COMPRISING A PLURALITY OF FOLDABLY INTERCONNECTED FOLDABLE SECTIONS

Title (de)

ZUSAMMENLEGBARER ARTIKEL MIT EINER VIELZAHL VON ZUSAMMENFALTBAR VERBUNDENEN FALT-ABSCHNITTEN

Title (fr)

ARTICLE REPLIABLE COMPRENANT UNE PLURALITÉ DE SECTIONS REPLIABLES INTERCONNECTÉES DE MANIÈRE PLIABLE

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Application

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Priority

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Abstract (en)

[origin: WO2019233618A1] Collapsible article comprising a plurality of foldably interconnected foldable sections/modules. The foldable sections can be part of cylindrical or conical surfaces. They can also be in the form of closing sections. When the foldable sections are part of tubular surfaces, either cylindrical or conical, they consist of four polygonal surface segments. The polygonal segments are curved/round in unfolded state and have a flat or approximately flat shape in partly folded and folded states. The folding process usually involves an abrupt transition between the unfolded and folded positions which makes the unfolded article almost as stable as non-foldable equivalents. In general, the folding process requires application of force on the edges that form valley creases during folding. When the article is made of soft materials or has a constant or relatively constant thickness with convex and/or concave foldable edges it usually collapses when excessive axial force is applied.

IPC 8 full level

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CPC (source: EP)

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