Title (en)

THREE-DIMENSIONAL STRUCTURE FORMED WITH PRECISION FOLD TECHNOLOGY AND METHOD OF FORMING SAME

Title (de)

MIT PRÄZISIONSFALTUNGSTECHNOLOGIE HERGESTELLTE DREIDIMENSIONALE STRUKTUR UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

STRUCTURE TRIDIMENSIONNELLE FORMEE SELON UNE TECHNIQUE DE PLIAGE DE PRECISION, ET PROCEDE DE FORMATION DE CETTE STRUCTURE

Publication

EP 1861317 A4 20091118 (EN)

Application

EP 06739206 A 20060321

Priority

- US 2006010326 W 20060321
- US 66557705 P 20050325

Abstract (en)

[origin: US2006277965A1] A three-dimensional structure formed with precision fold technology includes a first sheet section having a first edge formed with a first joinder structure proximate the first edge, a second sheet section having a second edge formed with a second joinder structure proximate the second edge for interlocking engagement with said first joinder structure, and a plurality of folding structures formed in the sheet of material along a plurality of desired fold lines which divide the sheet of material into said first and second sheet sections, the folding structures being formed to produce sufficiently precise folding of the sheet of material along the fold lines to position the first and second edges together such that said first and second joinder structures interengage with one another and retain the sheet of material in a folded condition.

IPC 8 full level

B65D 5/72 (2006.01)

CPC (source: EP KR US)

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Citation (search report)

- [YX] US 2916181 A 19591208 - WILLIAM PFISTER, et al
- [Y] US 2004206152 A1 20041021 - DURNEY MAX W [US], et al
- [XY] GB 2174781 A 19861112 - CHRISTENSEN ERHARD
- [YX] NL 8900776 A 19901016 - JOSEPH ANTONIUS CATHARINUS VLI
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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

US 38646306 A 20060321; AU 2006229867 A 20060321; BR PI0608764 A 20060321; CA 2602038 A 20060321; CN 200680015912 A 20060321; EP 06739206 A 20060321; IL 18618707 A 20070923; JP 2008503108 A 20060321; KR 20077024410 A 20071024; MX 2007011731 A 20060321; RU 2007139499 A 20060321; TW 95110116 A 20060323; US 2006010326 W 20060321; US 79755010 A 20100609; ZA 200708856 A 20060321