

Title (en)
SELF-SUPPORTING SPATIAL STRUCTURE, PARTICULARLY FOR FURNITURE CONSTRUCTION

Title (de)
SELBSTTRAGENDE RAUMSTRUKTUR, INSBESONDERE FÜR DEN MÖBELBAU

Title (fr)
STRUCTURE SPATIALE AUTOPORTANTE, NOTAMMENT POUR LA CONSTRUCTION DE MEUBLES

Publication
EP 3378355 A1 20180926 (EN)

Application
EP 18020109 A 20180322

Priority
PL 42097517 A 20170323

Abstract (en)
A self-supporting spatial structure, particularly for furniture construction, comprising connectors and walls, characterised in that the structure is created by folding a cut-out sheet along the incisions, creating at least two parallel rows of rectangles (1) or squares (1) separated by symmetrical placed triangles (2), whose apexes coincide with the line of incision of the first row, and the angle between them is the condition for the angle between the blocks after folding by complementing the angle to obtain 180° and the trapeziums (1) joining these parallel rows of rectangles (1) or squares (1) and which are provided with foldable triangular, trapezoidal or rectangular overlaps (5), wherein in the second row of the rectangles (1) or squares (1) the rectangles or squares are separated by symmetrical trapeziums (6) touching each other along shorter bases, wherein the bases are located in the line of incisions of the first row of the rectangles (1) or squares (1), and a rhombic pass-through cut-out (7) is created between symmetrically-placed triangles and symmetrical trapeziums.

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• [X] US 2010314437 A1 20101216 - DOWD FRED [US]
• [A] US 2012074823 A1 20120329 - BEZICH LARA [US], et al
• [A] FR 2750074 A1 19971226 - GAUDIN OLIVIER RENE GUSTAVE [FR]

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