

Title (en)

Geometric systems for building 3-D structures

Title (de)

Geometrische Systeme zum Aufbau von 3D-Strukturen

Title (fr)

Systèmes géométrique pour construire des structures tridimensionnelles

Publication

**EP 2762217 A1 20140806 (EN)**

Application

**EP 14153309 A 20140130**

Priority

US 201313758926 A 20130204

Abstract (en)

Geometric systems for building 3-D structures from a plurality of 2-D building elements, including a first building element defining a first shape defined by edges with a first dimension, and a second building element defining a second shape incongruent to the first shape defined by edges with a second dimension incongruent to the first dimension. Further, each building element defines an imaginary circle having a center aligned with the center of the building element, and defines a plurality of notches positioned at and tangential to the circumference of the imaginary circle, where the plurality of building elements are configured to fit together at their respective notches to form a 3-D structure. Geometric systems may include a first building element defining a first shape with a first contour, and a second building element defining a second shape incongruent to the first shape with a second contour incongruent to the first contour.

IPC 8 full level

**A63H 33/10** (2006.01); **A63H 33/08** (2006.01)

CPC (source: EP US)

**A63H 33/08** (2013.01 - US); **A63H 33/084** (2013.01 - EP US)

Citation (applicant)

- US 7469898 B2 20081230 - FORAKIS PETER [US]
- US 5593337 A 19970114 - LAPOINTE BRIAN [US]
- US 5489230 A 19960206 - GAVULA JR JOHN [US]
- US 2012164912 A1 20120628 - ESTERLE RICHARD [US]

Citation (search report)

- [XDI] US 5593337 A 19970114 - LAPOINTE BRIAN [US]
- [A] US 3564758 A 19710223 - WILLIS ARTHUR N
- [A] US 6149487 A 20001121 - PENG JUNG-CHIEH [TW]
- [A] CN 202410178 U 20120905 - HUIZHOU HUALI PACKING CO LTD

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2762217 A1 20140806**; US 2014220853 A1 20140807

DOCDB simple family (application)

**EP 14153309 A 20140130**; US 201313758926 A 20130204