

Title (en)
THREE-DIMENSIONAL ASSEMBLY PIECES FOR TOY CONSTRUCTION

Title (de)
DREIDIMENSIONALE ZUSAMMENBAUTEILE FÜR SPIELZEUGKONSTRUKTION

Title (fr)
PIÈCES DE MONTAGE TRIDIMENSIONNEL DE JOUETS

Publication
EP 2022552 A1 20090211 (EN)

Application
EP 06747530 A 20060508

Priority
MX 2006000030 W 20060508

Abstract (en)
This invention relates to a set of pieces-connectors to assembly toys in shapes of smooth or grooved cylindrical tubes, smooth or teeth semicircles and the combination of the same. Smooth or toothed tubular semicircles joined to a smooth or grooved cylindrical tube by one of its ends to the middle external portion; smooth or toothed semicircles joined to other smooth or toothed semicircles by its exterior middle portion; cylindrical tubes with a fixed "ring-butt" joined in its middle portion; smooth or toothed semicircles, joined at its two ends by a smooth or grooved cylindrical tube, in its cavity direction, leaving the cavity at sight; cylindrical tubes, joined by their ends forming wheel; smooth or toothed semicircles, joined among them at their middle external portions of their curves perpendicular one to the other; cylindrical tubes folded 90 degrees and reduced in its ends respecting their circumferences. The pieces interact, engaging, fastening, dropping, sliding, grading, stabilizing, turning around and making sound "clicks" among them, constructing and creating an endless 3D shapes, the grooves and the edges-butts will stabilize and grade the development as well as the final result, the combination of smooth pieces with grooved and toothed pieces produce versatile results, having parts with stability and parts with more mobility, subjected to the needs of the different parts of the toy.

IPC 8 full level
A63H 33/10 (2006.01)

CPC (source: EP US)
A63H 33/101 (2013.01 - EP US)

Citation (search report)
See references of WO 2007129878A1

Cited by
BE1019854A3; US9789417B2; WO2012116419A3

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 2022552 A1 20090211; BR PI0621575 A2 20160913; CA 2651666 A1 20071115; US 2009233516 A1 20090917;
WO 2007129878 A1 20071115

DOCDB simple family (application)
EP 06747530 A 20060508; BR PI0621575 A 20060508; CA 2651666 A 20060508; MX 2006000030 W 20060508; US 22712706 A 20060508