

Title (en)

Assembled block

Title (de)

Konstruktionsstein

Title (fr)

Jeu de construction

Publication

EP 1642630 A1 20060405 (EN)

Application

EP 05019581 A 20050908

Priority

- JP 2004291173 A 20041004
- JP 2005145730 A 20050518

Abstract (en)

A block which can be easily assembled into a large variety of shapes and sizes using a smaller number of kinds of joints at a low cost. The assembled block includes equilateral triangular block plates, square block plates, and joints through which the block plates are coupled together. Each of the joints is formed of a single, flexible and bendable plate having wing portions on both sides thereof. The block plates are made of a flexible material and have edges and receptacles each provided along one of the edges for accepting one of the wing portions of the joints. The receptacles are each formed with a guide pocket. Any two the block plates can be coupled together through any of the joints by inserting the respective wing portions of the joint into one of the receptacles of one of the two block plates through the corresponding guide pocket and into one of the receptacles of the other of the two block plates through the corresponding guide pocket.

IPC 8 full level

A63H 33/10 (2006.01)

CPC (source: EP KR US)

A63H 33/062 (2013.01 - KR); **A63H 33/101** (2013.01 - EP KR US)

Citation (applicant)

JP 3221637 B2 20011022

Citation (search report)

- [A] GB 2355672 A 20010502 - HUANG TE LI [CN]
- [A] GB 2370239 A 20020626 - HUANG TE LI [CN]
- [A] FR 2376677 A1 19780804 - BECHTLOFF FRANZ VINCENT [AT]

Cited by

CN107952253A; JP4607220B2; EP2025379A4; CN101963176A; EP3638388A4; US9120029B2; WO2010115429A1; WO2006107220A1; US8109803B2; WO2007135800A1; WO2007136047A1; JPWO2007136047A1

Designated contracting state (EPC)

FR GB IT

DOCDB simple family (publication)

EP 1642630 A1 20060405; **EP 1642630 B1 20070704**; JP 2006132762 A 20060525; KR 20060050513 A 20060519; TW 200622066 A 20060701; US 2006080928 A1 20060420

DOCDB simple family (application)

EP 05019581 A 20050908; JP 2005145730 A 20050518; KR 20050075137 A 20050817; TW 94131304 A 20050912; US 20854005 A 20050823