

Title (en)
IRREGULAR TESSELLATED BUILDING UNITS

Title (de)
UNREGELMÄSSIG MOSAIKARTIGE BAUEINHEITEN

Title (fr)
UNITES DE CONSTRUCTIONS QUADRILLEES IRREGULIERES

Publication
EP 1606467 A4 20080430 (EN)

Application
EP 04758137 A 20040324

Priority

- US 2004009148 W 20040324
- US 39553703 A 20030324
- US 50393603 P 20030918

Abstract (en)
[origin: WO2004085755A2] An irregular, tessellated building unit comprises x primary elements, wherein x is an integer equal to or greater than 1. The primary element is a rotational tessellation having a plural pairs of sides extending in a generally radial direction from plural vertices, respectively. In each pair, the two sides are rotationally spaced by an angle that is divided evenly into 360 degrees. Preferably, all of the sides are irregularly shaped, but one or more sides could be wholly or partially straight. Optionally, spacers are provided on the sides of each unit. A wide variety of units may be constructed having different numbers and arrangements of primary elements. As all the units are combinations of primary elements, they readily mate with each other. A surface covering comprises a multiplicity of units assembled to form a continuous surface without overlap between units and without substantial gaps between units. A structure, such as a wall or column can be formed of building units of the invention. Because of the irregular side configurations, and different sizes and shapes of individual units, the resulting surface or structure has a natural, non-repeating pattern appearance. Optionally, minor surface and edges variations are made from unit to unit to further enhance the natural appearance of the surface covering or structure.

IPC 1-7
E04B 1/00

IPC 8 full level
E01C 5/00 (2006.01); **E04F 15/02** (2006.01)

CPC (source: EP)
B44C 3/123 (2013.01); **E01C 5/00** (2013.01); **E04C 1/395** (2013.01); **E04F 15/02** (2013.01); **E01C 2201/02** (2013.01); **E01C 2201/06** (2013.01); **E01C 2201/12** (2013.01); **E04B 2002/0208** (2013.01); **E04B 2002/0215** (2013.01); **E04F 2201/095** (2013.01)

Citation (search report)

- [XY] WO 02089934 A1 20021114 - ADVANCED IMAGE RES PTY LTD [AU], et al
- [Y] DE 19747421 A1 19990429 - SF KOOP GMBH BETON KONZEPTE [DE]
- [X] US 5619830 A 19970415 - OSBORN JOHN A L [US]
- See references of WO 2004085755A2

Citation (examination)
US 3947192 A 19760330 - ROSENBERGER HUGO

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

DOCDB simple family (publication)
WO 2004085755 A2 20041007; WO 2004085755 A3 20041216; AU 2004223326 A1 20041007; AU 2004223326 B2 20100429; CA 2519296 A1 20041007; CA 2519296 C 20090811; CA 2669449 A1 20041007; CA 2669449 C 20120320; CA 2669451 A1 20041007; CA 2669451 C 20120522; EP 1606467 A2 20051221; EP 1606467 A4 20080430; MX PA05009901 A 20060321

DOCDB simple family (application)
US 2004009148 W 20040324; AU 2004223326 A 20040324; CA 2519296 A 20040324; CA 2669449 A 20040324; CA 2669451 A 20040324; EP 04758137 A 20040324; MX PA05009901 A 20040324