

Title (en)
STRUCTURAL ELEMENTS AND TILE SETS

Title (de)
STRUKTURELEMENTE UND KACHELSÄTZE

Title (fr)
ELEMENTS STRUCTURAUX ET JEUX DE CARREAUX

Publication
EP 1280587 B1 20071114 (DE)

Application
EP 01938162 A 20010504

Priority
• DE 10021607 A 20000504
• EP 0105058 W 20010504

Abstract (en)
[origin: US7284757B2] The invention relates to sets of structural elements representing equilateral irregular pentagonal structures with angles of 36.degree., 108.degree., 108.degree., 36.degree. and 252.degree., which enable a plurality of patterns that can cover a plane periodically or non-periodically. Modified structural elements in which each side of the equilateral, irregular pentagon is replaced by point-symmetrical lines also cover the plane. Sets of said structural elements can be used for tile applications, tile games such as puzzles, intarsia products, jewelry and the production of fabrics and wallpaper.

IPC 8 full level
A63F 9/06 (2006.01); **A63F 9/10** (2006.01); **B44C 3/12** (2006.01); **B44F 3/00** (2006.01); **B44F 11/04** (2006.01); **E04F 13/08** (2006.01); **E04F 15/02** (2006.01)

CPC (source: EP US)
A63F 9/06 (2013.01 - EP US); **B44C 3/123** (2013.01 - EP US); **B44F 3/00** (2013.01 - EP US); **B44F 11/04** (2013.01 - EP US); **E04F 15/02** (2013.01 - EP US); **A63F 2009/0681** (2013.01 - EP US); **A63F 2009/0695** (2013.01 - EP US); **A63F 2009/0697** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0185274 A1 20011115; AT E378097 T1 20071115; CN 1220537 C 20050928; CN 1427735 A 20030702; DE 50113267 D1 20071227; EP 1280587 A1 20030205; EP 1280587 B1 20071114; JP 2003532507 A 20031105; JP 4703933 B2 20110615; US 2003136069 A1 20030724; US 2007069463 A1 20070329; US 7284757 B2 20071023

DOCDB simple family (application)
EP 0105058 W 20010504; AT 01938162 T 20010504; CN 01808965 A 20010504; DE 50113267 T 20010504; EP 01938162 A 20010504; JP 2001581925 A 20010504; US 27515902 A 20021104; US 60531806 A 20061129