

Title (en)
Structured material web made from a web material and method of making

Title (de)
Strukturierte Materialbahn und Verfahren zum Herstellen

Title (fr)
Bande de matériau structurée faite d'une bande de matériau et méthode de fabrication

Publication
EP 1760216 A2 20070307 (DE)

Application
EP 06018314 A 20060901

Priority
• DE 102005041516 A 20050901
• DE 102006025222 A 20060529

Abstract (en)
The web (2) has a wave shaped and three dimensionally formed structure, which is designed with coils (6, 7) and a roof (8) that is enclosed by the coils. The coils are continuously arranged, and exhibit a curve that opposes the roof curvature. The roof exhibits a spherical shell shape in a middle roof region. The coils are formed based on geometric basic shape from a group consisting of triangle, square, tetragon, rectangle, rhombus or parallelogram, pentagon, hexagon and octagon. A web material is formed in a sandwich design, in which a temporary web is arranged between two outer webs. Independent claims are also included for the following: (1) an article with an application of a structured web (2) a method for manufacturing a structured material web.

IPC 8 full level
E04C 2/32 (2006.01)

CPC (source: EP)
E04C 2/326 (2013.01)

Citation (applicant)
• DE 10218144 A1 20031113 - MIRTSCH GMBH DR [DE]
• DE 4437986 A1 19960425 - MIRTSCH FRANK DR [DE]
• WO 9422612 A1 19941013 - MIRTSCH FRANK [DE]
• EP 0900131 B1 20021009 - MIRTSCH GMBH DR [DE]

Cited by
DE102017107498A1; CN113987666A; DE102013017644B4; DE102018004379A1; US8438883B2

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 1760216 A2 20070307; EP 1760216 A3 20070530

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