

Title (en)

METHOD FOR PRODUCING A DECORATIVE ELEMENT AND USE OF THE DECORATIVE ELEMENT

Title (de)

HERSTELLUNGSVERFAHREN EINES DEKORELEMENTS UND VERWENDUNG DES DEKORELEMENTS

Title (fr)

PROCÉDÉ DE FABRICATION D'UN ÉLÉMENT DÉCORATIF ET UTILISATION DE L'ÉLÉMENT DÉCORATIF

Publication

EP 3847037 B1 20221221 (DE)

Application

EP 19774058 A 20190904

Priority

- DE 102018121767 A 20180906
- EP 2019073615 W 20190904

Abstract (en)

[origin: WO2020049061A1] The invention relates to a method for producing a decorative element DE and to uses of a decorative element DE produced in such a way. A polarizing layer PS with the function of an analyser is applied to a transparent optical carrier material TM and on the other side a transparent optical functional layer FS is applied as an imaging layer BS, consisting of an optically anisotropic material OAM. A deliberate location-based dependence of material properties of the optically anisotropic material OAM is created by imaging three-dimensional structuring of the functional layer FS to produce the imaging layer BS in the form of an image motif BM. One or more decorative elements DE produced according to the invention can be introduced in the desired form, size and number, each with predefinable image motifs BM (image structures) and also at a different three-dimensional spacing and in a free arrangement, into an illuminating area of an illuminating device BV. Also proposed is the use of the decorative element produced according to the invention as a device for an architectural element for creating optical light effects on the exterior of structures, as a design element for interior architecture, or in object design.

IPC 8 full level

B42D 25/36 (2014.01); **B42D 25/364** (2014.01); **B42D 25/391** (2014.01); **B44C 5/04** (2006.01); **B44F 1/00** (2006.01)

CPC (source: EP US)

B42D 25/36 (2014.10 - EP); **B42D 25/364** (2014.10 - EP US); **B42D 25/391** (2014.10 - EP US); **B44C 5/0407** (2013.01 - EP US); **B44F 1/00** (2013.01 - EP); **B44F 1/00** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2020049061 A1 20200312; CN 112930267 A 20210608; CN 112930267 B 20221111; DE 102018121767 A1 20200312; EP 3847037 A1 20210714; EP 3847037 B1 20221221; JP 2022500686 A 20220104; US 11648793 B2 20230516; US 2021347196 A1 20211111

DOCDB simple family (application)

EP 2019073615 W 20190904; CN 201980071252 A 20190904; DE 102018121767 A 20180906; EP 19774058 A 20190904; JP 2021512570 A 20190904; US 201917273756 A 20190904