Title (en)

Multi-layer body with micro optics

Title (de)

Verfahren zur Herstellung eines Mehrschichtkörpers mit Mikrooptik

Title (fr)

Corps multicouche à micro-optique

Publication

EP 1878584 B1 20140430 (DE)

Application

EP 07013569 A 20070711

Priority

DE 102006032660 A 20060713

Abstract (en)

[origin: EP1878584A2] The method involves applying micro-optical structures (6a,6b) on the layer lying under the layer consisting micro-optical structures, or inserting the micro-optical structures in the layer consisting micro-optical structures, by using intaglio printing. The layer, which consists of micro-optical structures, partially covers one or multiple layers. The display area or the effect area forms an optical effect. Both micro-optical structures and the display area, or effect area are applied by intaglio printing. Independent claims are also included for the following: (1) multi-layer body has a layer consists of micro-optical structures (2) a security document with a multi-layer body.

IPC 8 full level

B41M 3/14 (2006.01); **B41M 1/10** (2006.01)

CPC (source: EP US)

B41M 1/10 (2013.01 - EP US); **B41M 3/14** (2013.01 - EP US); **B42D 25/00** (2014.10 - EP US); **B42D 25/43** (2014.10 - US); **B42D 25/45** (2014.10 - US); B42D 2035/44 (2022.01 - EP)

Cited by

EP3366475A1; EP3366474A1; JP2013504451A; WO2018153840A1; WO2018153839A1; FR3030362A1; AU2018223136B2; EP3124285A1; CN102497995A; DE102008036482A1; WO2011015384A1; WO2018060308A1; WO2009083146A3; US11945253B2; US12005728B2; WO2011029602A3; WO2010054671A1; US11383507B2; US11772374B2; US9994062B2; WO2020177923A1; US11077700B2; US11618276B2; EP3124285B1

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 MT NL PL PT RO SE SI SK TR

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DOCDB simple family (application)

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