

Title (en)

LAYER STRUCTURE FOR PRODUCING A HINGE, IN PARTICULAR FOR PRODUCING MULTI-LAYERED BOOK COVERS

Title (de)

SCHICHTAUFBAU ZUR HERSTELLUNG EINES SCHARNIERS, INSBESONDERE FÜR DIE HERSTELLUNG MEHRSCICHTIGER BUCHDECKEN

Title (fr)

STRUCTURE À COUCHES SERVANT À FABRIQUER UNE CHARNIÈRE, EN PARTICULIER POUR LA FABRICATION D'UNE COUVERTURE DE LIVRE MULTICOUCHE

Publication

EP 3934907 A1 20220112 (DE)

Application

EP 20706541 A 20200303

Priority

- EP 19161307 A 20190307
- EP 2020055488 W 20200303

Abstract (en)

[origin: WO2020178261A1] The present invention relates to a layer structure, preferably a hinge, particularly preferably a book cover, most particularly preferably a book cover for identification and security documents, comprising at least one outer layer a) containing at least one thermoplastic elastomer, preferably a thermoplastic polyurethane and at least one layer b) containing at least one material selected from the group consisting of a polymer, a metal, a textile, a paper and a synthetic paper or a combination of at least two thereof. The invention further relates to a laminate comprising the aforementioned layer structure and to the production method therefor. The invention further relates to the use of the layer structure and/or laminate in order to produce a hinge, preferably a multilayer book cover, in particular for security and identification documents.

IPC 8 full level

B32B 5/02 (2006.01); **B32B 3/10** (2006.01); **B32B 3/26** (2006.01); **B32B 3/30** (2006.01); **B32B 5/18** (2006.01); **B32B 15/04** (2006.01); **B32B 15/095** (2006.01); **B32B 27/06** (2006.01); **B32B 27/08** (2006.01); **B32B 27/10** (2006.01); **B32B 27/40** (2006.01); **B32B 37/00** (2006.01); **B42D 1/00** (2006.01); **G06K 19/077** (2006.01)

CPC (source: EP KR US)

B32B 3/10 (2013.01 - EP); **B32B 3/266** (2013.01 - EP US); **B32B 3/30** (2013.01 - EP); **B32B 5/02** (2013.01 - EP); **B32B 5/18** (2013.01 - EP KR); **B32B 15/04** (2013.01 - EP KR); **B32B 15/095** (2013.01 - EP KR); **B32B 27/065** (2013.01 - EP KR); **B32B 27/08** (2013.01 - EP); **B32B 27/10** (2013.01 - EP KR); **B32B 27/12** (2013.01 - KR); **B32B 27/40** (2013.01 - EP KR US); **B32B 37/00** (2013.01 - EP); **B32B 37/06** (2013.01 - US); **B32B 37/10** (2013.01 - US); **B32B 38/06** (2013.01 - US); **B42D 3/02** (2013.01 - EP KR US); **B42D 3/06** (2013.01 - KR US); **B42D 25/24** (2014.10 - EP KR); **B42D 25/328** (2014.10 - KR); **B42D 25/36** (2014.10 - EP); **B42D 25/373** (2014.10 - EP); **B32B 2266/0278** (2013.01 - EP US); **B32B 2307/4023** (2013.01 - EP US); **B32B 2307/4026** (2013.01 - US); **B32B 2307/536** (2013.01 - EP US); **B32B 2307/732** (2013.01 - EP 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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020178261 A1 20200910; BR 112021017570 A2 20211109; CA 3125418 A1 20200910; CN 113490590 A 20211008; EP 3934907 A1 20220112; KR 20210142100 A 20211124; US 2022184988 A1 20220616

DOCDB simple family (application)

EP 2020055488 W 20200303; BR 112021017570 A 20200303; CA 3125418 A 20200303; CN 202080019313 A 20200303; EP 20706541 A 20200303; KR 20217028174 A 20200303; US 202017432118 A 20200303