

Title (en)

LAMINATE WITH A DECORATIVE LAYER, COMPOSITE MADE UP OF A LAMINATE AND A MOULDING, AND METHOD FOR PRODUCING THE LAMINATE

Title (de)

SCHICHTKÖRPER MIT DEKORATIONSSCHICHT, VERBUND AUS SCHICHTKÖRPER UND FORMKÖRPER SOWIE VERFAHREN ZUR HERSTELLUNG DES SCHICHTKÖRPERS

Title (fr)

CORPS STRATIFIÉ POURVU D'UNE COUCHE DÉCORATIVE, COMPOSITE CONSTITUÉ D'UN CORPS STRATIFIÉ ET D'UN CORPS MOULÉ ET PROCÉDÉ DE FABRICATION DU CORPS STRATIFIÉ

Publication

**EP 4297981 A1 20240103 (DE)**

Application

**EP 22709660 A 20220222**

Priority

- DE 102021104294 A 20210223
- EP 2022054363 W 20220222

Abstract (en)

[origin: WO2022180020A1] The invention relates to a laminate (1) with a decorative layer (3) over an electrical functional layer (2), such as a touch sensor area, which provides for example the functionality of a touch area, and also relates to a production process for this. The invention makes it possible for the first time to customize prefabricated laminates with functionality, such as key functionality of a touch sensor, in an uncomplicated way. This is achieved by adding to a functional laminate, between the electrical functional layer (2) and a decorative layer (3), a laser-protection layer (4) which can be lasered and inscribed by simple measures.

IPC 8 full level

**B44C 1/22** (2006.01); **B44C 3/00** (2006.01)

CPC (source: EP KR US)

**B32B 15/08** (2013.01 - EP KR); **B32B 27/08** (2013.01 - EP KR); **B32B 27/20** (2013.01 - EP KR); **B32B 27/281** (2013.01 - EP KR); **B32B 27/285** (2013.01 - EP KR); **B32B 27/30** (2013.01 - EP); **B32B 27/304** (2013.01 - EP KR); **B32B 27/308** (2013.01 - EP KR); **B32B 27/34** (2013.01 - EP KR); **B32B 27/36** (2013.01 - EP); **B32B 27/365** (2013.01 - EP KR); **B32B 27/40** (2013.01 - EP KR); **B44C 1/228** (2013.01 - EP KR); **B44C 3/005** (2013.01 - EP KR US); **G02B 5/0242** (2013.01 - US); **B32B 2270/00** (2013.01 - EP KR); **B32B 2307/4026** (2013.01 - EP KR); **B32B 2451/00** (2013.01 - EP KR); **G06F 3/041** (2013.01 - US)

Citation (search report)

See references of WO 2022180020A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**DE 102021104294 A1 20220825**; CN 116940471 A 20231024; EP 4297981 A1 20240103; KR 20230146089 A 20231018; MX 2023009625 A 20230828; US 2024123757 A1 20240418; WO 2022180020 A1 20220901

DOCDB simple family (application)

**DE 102021104294 A 20210223**; CN 202280016687 A 20220222; EP 2022054363 W 20220222; EP 22709660 A 20220222; KR 20237031988 A 20220222; MX 2023009625 A 20220222; US 202218277610 A 20220222