

Title (en)

LAMINATED PANE HAVING DIFFUSELY REFLECTING PROPERTIES AND AN ELECTROCHROMIC FUNCTIONAL ELEMENT

Title (de)

VERBUNDSCHIEBE MIT DIFFUS REFLEKTIERENDEN EIGENSCHAFTEN UND ELEKTROCHROMEM FUNKTIONSELEMENT

Title (fr)

VITRAGE FEUILLETÉ AYANT DES PROPRIÉTÉS DE RÉFLEXION DIFFUSE ET UN ÉLÉMENT FONCTIONNEL ÉLECTROCHROME

Publication

EP 4359211 A1 20240501 (DE)

Application

EP 22734274 A 20220615

Priority

- EP 21181513 A 20210624
- EP 2022066322 W 20220615

Abstract (en)

[origin: WO2022268607A1] The invention relates to a laminated pane (100), at least comprising an outer pane (1) having an outer surface (I) and an inner surface (II), an electrochromic functional element (2), a first laminating layer (3), a reflecting layer (4) and an inner pane (6) which has an outer surface (III) and an inner surface (IV). The outer surface (III) of the inner pane (6) has at least one structured area (5). The first laminating layer (3) is arranged between the outer pane (1) and the inner pane (6), the electrochromic functional element (2) is arranged between the outer pane (1) and the first laminating layer (3), and the reflecting layer (4) is designed at least in the structured area (5) as a coating of the outer surface (III) of the inner pane (6). According to the invention, the structured area (5) completely overlaps with the electrochromic functional element (2).

IPC 8 full level

B32B 17/10 (2006.01); **G02B 5/02** (2006.01); **G02B 27/01** (2006.01); **G02F 1/15** (2019.01)

CPC (source: EP)

B32B 1/00 (2013.01); **B32B 3/02** (2013.01); **B32B 3/30** (2013.01); **B32B 7/12** (2013.01); **B32B 17/10018** (2013.01); **B32B 17/10036** (2013.01); **B32B 17/1011** (2013.01); **B32B 17/10119** (2013.01); **B32B 17/10146** (2013.01); **B32B 17/10201** (2013.01); **B32B 17/1022** (2013.01); **B32B 17/10238** (2013.01); **B32B 17/10302** (2013.01); **B32B 17/10513** (2013.01); **B32B 17/10651** (2013.01); **B32B 17/10761** (2013.01); **B32B 17/10935** (2013.01); **B32B 27/08** (2013.01); **B32B 27/18** (2013.01); **B32B 27/30** (2013.01); **B32B 27/308** (2013.01); **B32B 27/36** (2013.01); **B32B 27/365** (2013.01); **B60K 35/00** (2013.01); **B60K 35/23** (2024.01); **B60K 35/60** (2024.01); **G02B 5/0221** (2013.01); **G02B 5/0284** (2013.01); **G02B 5/0294** (2013.01); **G02B 27/0101** (2013.01); **G02F 1/15** (2013.01); **B32B 2255/10** (2013.01); **B32B 2255/20** (2013.01); **B32B 2255/205** (2013.01); **B32B 2255/26** (2013.01); **B32B 2255/28** (2013.01); **B32B 2264/1022** (2020.08); **B32B 2264/1051** (2020.08); **B32B 2307/202** (2013.01); **B32B 2307/4026** (2013.01); **B32B 2307/408** (2013.01); **B32B 2307/41** (2013.01); **B32B 2307/412** (2013.01); **B32B 2307/416** (2013.01); **B32B 2307/538** (2013.01); **B32B 2333/12** (2013.01); **B32B 2369/00** (2013.01); **B32B 2457/20** (2013.01); **B32B 2605/08** (2013.01); **B60K 2360/23** (2024.01); **B60K 2360/66** (2024.01); **B60K 2360/785** (2024.01); **G02B 2027/0145** (2013.01)

C-Set (source: EP)

B32B 17/10005 + **B32B 2367/00**

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)

WO 2022268607 A1 20221229; CN 115734873 A 20230303; EP 4359211 A1 20240501

DOCDB simple family (application)

EP 2022066322 W 20220615; CN 202280003012 A 20220615; EP 22734274 A 20220615