

Title (en)

COMPOSITE PANEL FOR A HOLOGRAPHIC HEAD-UP DISPLAY

Title (de)

VERBUNDSCHEIBE FÜR EIN HOLOGRAPHISCHES HEAD-UP-DISPLAY

Title (fr)

PANNEAU COMPOSITE POUR AFFICHAGE TÊTE HAUTE HOLOGRAPHIQUE

Publication

**EP 4210943 A1 20230719 (DE)**

Application

**EP 21772788 A 20210903**

Priority

- EP 20195948 A 20200914
- EP 2021074375 W 20210903

Abstract (en)

[origin: WO2022053403A1] A method for producing a composite panel (100) with a hologram, at least comprising the steps of: a) providing a first panel (1) and a second panel (2), b) - arranging a masking strip (4) on a surface (III) of the first panel (1) such that the masking strip (4) delimits a section (7) for a hologram element (5), - applying a photosensitive material (15) as a hologram element (5) at least in the section (7) delimited by the masking strip (4), c) removing the masking strip (4) such that a peripheral edge (8) of the hologram element (5) is uncovered, d) generating at least one hologram by exposing the hologram element (5), e) forming a layer stack made of the first panel (1), a thermoplastic interlayer (3) and a second panel (2), wherein the hologram element (5) is arranged between the two panels (1, 2), f) interconnecting the first panel (1) and the second panel (2) by way of the thermoplastic interlayer (3) to form a composite panel (100) within the scope of a lamination method.

IPC 8 full level

**B32B 17/10** (2006.01); **G02B 27/01** (2006.01); **G03C 1/005** (2006.01); **G03C 1/66** (2006.01); **G03C 1/74** (2006.01)

CPC (source: CN EP)

**B29C 70/00** (2013.01 - EP); **B32B 17/00** (2013.01 - CN); **B32B 17/10** (2013.01 - CN); **B32B 17/10036** (2013.01 - EP); **B32B 17/10119** (2013.01 - EP); **B32B 17/10174** (2013.01 - EP); **B32B 17/10348** (2013.01 - EP); **B32B 17/10431** (2013.01 - EP); **B32B 17/10761** (2013.01 - EP); **B32B 27/32** (2013.01 - CN); **B32B 27/40** (2013.01 - CN); **B32B 27/42** (2013.01 - CN); **E04C 2/02** (2013.01 - CN); **E04C 2/30** (2013.01 - CN); **G02B 27/0103** (2013.01 - CN EP); **G03C 1/005** (2013.01 - EP); **G03C 1/66** (2013.01 - EP); **G03C 1/74** (2013.01 - EP); **G02B 2027/0105** (2013.01 - EP); **G02B 2027/0109** (2013.01 - EP)

Citation (search report)

See references of WO 2022053403A1

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 2022053403 A1 20220317**; CN 114585506 A 20220603; EP 4210943 A1 20230719

DOCDB simple family (application)

**EP 2021074375 W 20210903**; CN 202180003678 A 20210903; EP 21772788 A 20210903