

Title (en)  
COMPOSITE PANE COMPRISING A SUN SHADING COATING

Title (de)  
VERBUNDSCHIEBE MIT SONNENSCHUTZBESCHICHTUNG

Title (fr)  
VITRE COMPOSITE COMPRENANT UN REVÊTEMENT PARE-SOLEIL

Publication  
**EP 4251418 A1 20231004 (DE)**

Application  
**EP 21811386 A 20211123**

Priority

- EP 20210321 A 20201127
- EP 2021082665 W 20211123

Abstract (en)  
[origin: WO2022112242A1] Disclosed is a composite pane (100) comprising an outer pane (1) having an outer surface (I) and an inner surface (II), an inner pane (2) having an outer surface (III) and an inner surface (IV), and a thermoplastic intermediate layer (3) that connects the inner surface (II) of the outer pane (1) to the outer surface (III) of the inner pane (2), wherein the composite pane (100) has at least one sun shading coating (4) between the outer pane (1) and the inner pane (2), said sun shading coating (4) comprising, from the inner pane (2) in the direction of the outer pane (1), a sequence of layers consisting of - a first dielectric module (M1), - a first silver layer (Ag1), - a second dielectric module (M2), - a second silver layer (Ag2), - a third dielectric module (M3), - a third silver layer (Ag3), - a fourth dielectric module (M4), the silver layers (Ag1, Ag2, Ag3) having, relative to one another, a geometrical layer thickness of  $Ag2 > Ag1 > Ag3$ , and the silver layers of the sun shading coating (Ag1, Ag2, Ag3) having a relative geometrical layer thickness of  $1.0 < Ag1/Ag3$  and  $1.2 < Ag2/Ag3 < 2$ .

IPC 8 full level  
**B32B 17/10** (2006.01); **C03C 17/36** (2006.01)

CPC (source: EP KR US)  
**B32B 1/00** (2013.01 - EP); **B32B 7/12** (2013.01 - EP); **B32B 17/10036** (2013.01 - EP KR US); **B32B 17/1011** (2013.01 - EP KR US); **B32B 17/10201** (2013.01 - EP KR US); **B32B 17/10229** (2013.01 - EP KR US); **B32B 17/10293** (2013.01 - EP); **B32B 17/10348** (2013.01 - EP KR); **B32B 17/10385** (2013.01 - EP KR US); **B32B 17/10449** (2013.01 - EP KR); **B32B 17/10651** (2013.01 - EP US); **B32B 17/10761** (2013.01 - EP); **B32B 17/10807** (2013.01 - US); **B32B 17/10935** (2013.01 - EP); **B32B 27/08** (2013.01 - EP); **B32B 27/30** (2013.01 - EP); **B32B 27/36** (2013.01 - EP); **C03C 17/36** (2013.01 - EP); **C03C 17/3613** (2013.01 - US); **C03C 17/3626** (2013.01 - EP KR US); **C03C 17/3639** (2013.01 - EP KR US); **C03C 17/3644** (2013.01 - EP KR US); **C03C 17/366** (2013.01 - EP KR US); **C03C 17/3681** (2013.01 - EP KR US); **B32B 2250/40** (2013.01 - EP); **B32B 2255/10** (2013.01 - EP KR); **B32B 2255/20** (2013.01 - EP KR); **B32B 2255/205** (2013.01 - EP KR); **B32B 2255/28** (2013.01 - EP KR); **B32B 2307/102** (2013.01 - EP); **B32B 2307/202** (2013.01 - EP KR); **B32B 2307/204** (2013.01 - EP KR); **B32B 2307/4026** (2013.01 - EP); **B32B 2307/41** (2013.01 - EP); **B32B 2307/412** (2013.01 - EP); **B32B 2307/416** (2013.01 - EP); **B32B 2605/00** (2013.01 - US); **B32B 2605/08** (2013.01 - EP KR)

Citation (search report)  
See references of WO 2022112242A1

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KH MA MD TN

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