

Title (en)

COMPOSITE GLASS WITH AN INTERMEDIATE FILM THAT CHANGES COLOUR DEPENDING ON THE VIEWING ANGLE

Title (de)

VERBUNDGLAS MIT BETRACHTUNGSWINKELABHÄNGIG FARBVARIABLER ZWISCHENFOLIE

Title (fr)

VERRE FEUILLETÉ COMPORTANT UN FILM INTERMÉDIAIRE CHANGEANT DE COULEUR EN FONCTION DE L'ANGLE D'OBSERVATION

Publication

**EP 3847015 A1 20210714 (DE)**

Application

**EP 19762906 A 20190902**

Priority

- DE 102018007108 A 20180907
- EP 2019025290 W 20190902

Abstract (en)

[origin: WO2020048638A1] The invention relates to a composite glass (1) comprising two glass and/or plastic panes (11, 13), as well as an intermediate film (20; 30; 40) arranged between the glass and/or plastic panes. ViaDue to the intermediate film (20; 30; 40), the composite glass (1) is designed to be different depending on the side, in that it appears more transparent for a viewer from an inner side (I) than from an outer side (A). In this case, depending on the viewing angle, the composite glass (1) appears different for the viewer from the outer side (A) due to the intermediate film (20; 30; 40).

IPC 8 full level

**B32B 17/10** (2006.01); **B44F 1/08** (2006.01)

CPC (source: EP US)

**B32B 17/10036** (2013.01 - EP US); **B32B 17/1022** (2013.01 - EP US); **B32B 17/1044** (2013.01 - EP); **B32B 17/10504** (2013.01 - EP US);  
**B32B 17/10651** (2013.01 - EP); **B44F 1/066** (2013.01 - EP US); **B44F 1/10** (2013.01 - EP US); **C09B 67/0098** (2013.01 - US);  
**C09K 19/02** (2013.01 - US); **B32B 17/1044** (2013.01 - US); **B32B 17/10651** (2013.01 - US); **B32B 2250/03** (2013.01 - EP US);  
**B32B 2307/4026** (2013.01 - US); **B32B 2307/414** (2013.01 - US); **B32B 2307/416** (2013.01 - US); **B32B 2307/42** (2013.01 - US)

Citation (search report)

See references of WO 2020048638A1

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 2020048638 A1 20200312**; CN 112601660 A 20210402; DE 102018007108 A1 20200312; EP 3847015 A1 20210714;  
JP 2021535882 A 20211223; US 11745474 B2 20230905; US 2021339504 A1 20211104

DOCDB simple family (application)

**EP 2019025290 W 20190902**; CN 201980054602 A 20190902; DE 102018007108 A 20180907; EP 19762906 A 20190902;  
JP 2021506305 A 20190902; US 201917273265 A 20190902