

Title (en)  
WINDOWS WITH LAMINATED GLASS LAYERS

Title (de)  
FENSTER MIT VERBUNDGLASSCHICHTEN

Title (fr)  
FENÊTRES À COUCHES DE VERRE STRATIFIÉES

Publication  
**EP 4373668 A1 20240529 (EN)**

Application  
**EP 22769838 A 20220823**

Priority  
• US 202163242125 P 20210909  
• US 202217881517 A 20220804  
• US 2022041245 W 20220823

Abstract (en)  
[origin: WO2023038797A1] A vehicle or other system may have windows. The windows may be formed by laminating together glass layers. The glass layers may include a curved inner glass layer with a convex outer surface and a curved outer glass layer with a concave inner surface. A polymer adhesive film such as a polyvinyl butyral film may be adhered to the convex outer surface. An additional polymer layer formed from a different material than the polymer film may be interposed between the polymer film and the second glass layer. The additional polymer layer may be formed from a gap-filling liquid polymer adhesive layer. The layer of gap-filling liquid polymer adhesive may have a first surface adhered to the polymer film and a second surface adhered to the concave inner surface. An optical layer may be embedded in the additional polymer layer.

IPC 8 full level  
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CPC (source: EP)  
**B32B 7/023** (2018.12); **B32B 17/10036** (2013.01); **B32B 17/10504** (2013.01); **B32B 17/10541** (2013.01); **B32B 17/10568** (2013.01); **B32B 17/10697** (2013.01); **B32B 17/10733** (2013.01); **B32B 17/10743** (2013.01); **B32B 17/10761** (2013.01); **B32B 17/10889** (2013.01); **B32B 17/10908** (2013.01); **B32B 17/10935** (2013.01); **B32B 1/00** (2013.01)

Citation (search report)  
See references of WO 2023038797A1

Designated contracting state (EPC)  
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KH MA MD TN

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