Title (en)

LAMINATED STRUCTURES WITH COMPOSITE ADHESIVE POLYMERIC INTERLAYER COMPRISING COHESIVE DEBONDING ZONES FOR ENHANCED PERFORMANCE

Title (de)

LAMINIERTE STRUKTUREN MIT VERBUNDKLEBSTOFFPOLYMERZWISCHENSCHICHT MIT KOHÄSIVEN ABLÖSUNGSZONEN FÜR VERBESSERTE LEISTUNG

Title (fr)

STRUCTURES STRATIFIÉES AVEC COUCHE INTERMÉDIAIRE POLYMÈRE ADHÉSIVE COMPOSITE COMPRENANT DES ZONES DE DÉCOLLEMENT COHÉSIVES POUR UNE PERFORMANCE AMÉLIORÉE

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Application

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- US 202163155009 P 20210301
- US 202163191577 P 20210521
- US 202163191545 P 20210521
- US 202163191486 P 20210521
- US 202163191447 P 20210521
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Abstract (en)

[origin: WO2022132417A1] The present invention relates to a laminate structure comprising at least one glass substrate and an adhesive polymeric interlayer (API) that comprises cohesive debonding zones that are substantially discrete and/or substantially continuous in their layout. Such debonding zones are located preferably within the 10% thickness of API from the interface of said API and the glass substrate. These zones allow for a unique combination of modified API-glass debonding, laminate toughness, and laminate durability. Various spatial patterns and densities of debonding are described, as well as the resulting material properties.

IPC 8 full level

C09J 7/10 (2018.01)

CPC (source: EP)

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C-Set (source: EP)

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See references of WO 2022132418A2

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