

Title (en)  
OPTICALLY TRANSMISSIVE ARMOR COMPOSITE

Title (de)  
LICHTDURCHLÄSSIGE PANZERUNGSZUSAMMENSETZUNG

Title (fr)  
COMPOSITE DE BLINDAGE A TRANSMISSION OPTIQUE

Publication  
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Application  
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Abstract (en)  
[origin: WO2007058665A2] An exemplary apparatus providing a substantially optically transparent/translucent composite armor material is disclosed as having: a first layer (110) of hard transparent material (i.e., a glass facing layer) adapted for attachment to a second layer (100) of polymer backing (i.e., a kinetic layer) and a layer of elastomeric bonding material disposed between the first (110) and second (100) layers. Disclosed features and specifications may be variously controlled, adapted or otherwise optionally modified to improve and/or modify the performance characteristics of the transparent/translucent armor composite. Exemplary embodiments of the present invention generally provide lightweight transparent/translucent armor for use as, for example, bulletproof windows in vehicles and buildings.

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