

Title (en)
MULTI-HIT CAPABLE TRANSPARENT, MULTI-STACK ARMOR SYSTEM

Title (de)
MULTI-HIT-FÄHIGES, TRANSPARENTES UND MEHRSCICHTIGES PANZERUNGSSYSTEM

Title (fr)
SYSTÈME DE BLINDAGE À EMPILEMENT MULTIPLE, TRANSPARENT ET SUSCEPTIBLE DE SUBIR DES IMPACTS MULTIPLES

Publication
EP 2188123 A1 20100526 (EN)

Application
EP 08872012 A 20080827

Priority
• US 2008010158 W 20080827
• US 96723207 P 20070831

Abstract (en)
[origin: WO2009096930A1] A transparent armor laminate system includes a plurality of sub-stacks separated by an interlayer. The sub-stacks include a plurality of layers including a glass ceramic front strike-face layer, a backing layer comprising a spall-resistant material, and at least one glass layer laminated between the strike-face and backing layers. The interlayer isolates cracks between sub-stacks, and may include an isolating material such as a polymer, gas, or liquid. The laminate system offers improved performance with reduced weight over conventional all-glass or all-glass-ceramic transparent armors.

IPC 8 full level
B32B 17/06 (2006.01)

CPC (source: EP US)
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Citation (search report)
See references of WO 2009096930A1

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US 2008010158 W 20080827; EP 08872012 A 20080827; JP 2010522941 A 20080827; US 67517108 A 20080827