

Title (en)
COMPOSITE ARMOR PLATE

Title (de)
VERBUNDPANZERPLATTE

Title (fr)
BLINDAGE COMPOSITE

Publication
EP 1080337 A1 20010307 (EN)

Application
EP 99921114 A 19990516

Priority
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Abstract (en)
[origin: EP0959321A1] The invention provides a composite armor plate (10; 22) for absorbing and dissipating kinetic energy from high velocity projectiles, the plate comprising a single internal layer of pellets (14; 24) which are directly bound and retained in plate form by a solidified material (16) such that the pellets are bound in a plurality of adjacent rows, characterized in that the pellets (14; 24) have a specific gravity of at least 2 and are made of a material selected from the group consisting of glass, sintered refractory material, ceramic material which does not contain aluminium oxide and ceramic material having an aluminium oxide content of not more than 80%, the majority of the pellets each have at least one axis of at least 3 mm length and are bound by the solidified material in the single internal layer of adjacent rows such that each of a majority of the pellets is in direct contact with at least 4 adjacent pellets in the same layer to provide mutual lateral confinement therebetween, the pellets each have a substantially regular geometric form and the solidified material and the plate are elastic. <IMAGE>

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Citation (third parties)
Third party :
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EP 0959321 A1 19991124; AT E399302 T1 20080715; AU 3845499 A 19991206; CA 2331529 A1 19991125; CA 2331529 C 20060124;
DE 69938965 D1 20080807; EP 1080337 A1 20010307; EP 1080337 B1 20080625; EP 1080337 B2 20150218; IL 124543 A0 19981206;
IL 124543 A 20010826; WO 9960327 A1 19991125

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