

Title (en)
ANTI-FRAGMENTATION COVERING FOR AN ARMoured VEHICLE

Title (de)
SPLITTERSCHUTZBESCHICHTUNG FÜR PANZERFAHRZEUGE

Title (fr)
REVETEMENT PARE-ECLATS POUR VEHICULE BLINDE

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Application
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• FR 9501557 W 19951127
• FR 9414343 A 19941130

Abstract (en)
[origin: US5767435A] PCT No. PCT/FR95/01557 Sec. 371 Date Jul. 19, 1996 Sec. 102(e) Date Jul. 19, 1996 PCT Filed Nov. 27, 1995 PCT Pub. No. WO96/17219 PCT Pub. Date Jun. 6, 1996The invention relates to a splinterproof lining for a structure, such as an armoured vehicle. The splinterproof lining comprises several layers. The splinterproof lining includes an adhesive layer of solid organic material which is placed against a wall of the structure. The adhesive layer is between approximately 2 and 30 mm thick. An adjacent layer of a composite material with an organic matrix and a mineral or an organic reinforcement is placed in the immediate vicinity of the adhesive layer. The adjacent layer is approximately 5-30 mm thick. The splinterproof lining may also include a dispersion zone approximately 5 to 10 mm thick and filled with a polyurethane foam, with the dispersion zone placed between the adhesive layer and the adjacent layer. Additionally, an absorbing layer of double-drawn polyethylene approximately 5 mm thick, may be placed against the adjacent layer. In practice, the adhesive layer may be a first sub-layer of polyethylene approximately 15 mm thick and a second sub-layer of a composite material with an organic matrix, the second sub-layer being approximately 10 mm thick.

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