

Title (en)  
SPECIALLY SHAPED MULTILAYER ARMOUR

Title (de)  
MEHRSCHICHT-PANZERWESTE MIT SPEZIALPASSFORM

Title (fr)  
BLINDAGE MULTICOUCHE SPECIALEMENT FORME

Publication  
**EP 0996849 A1 20000503 (EN)**

Application  
**EP 98935629 A 19980714**

Priority

- US 9814471 W 19980714
- US 89258497 A 19970714

Abstract (en)  
[origin: WO9904217A1] Armour, in particular body armour for female wearers is made of multiple layers (30) of penetration-resistant material for example made of polyaramid fibers, specially shaped to fit over a shaped area to be protected, e.g. the bust of a female wearer. The armour's shaped part is held in shape by a series of darts (37) in successive layers (30) of the material. Each dart in a material layer comprises a generally V-shaped section (35) whose edges (37) are joined to form the dart. The V-shaped section (35) of the material is folded on itself to form a pleat (40) which is folded over to one side of the dart (37) to form an added thickness overlaying or underlying an adjacent part of the material (30). The darts (37) are angularly offset from one another with the pleats (40) oriented in directions so that the added thickness is distributed substantially evenly, thereby avoiding bulges or stiffness and improving the wearing comfort.

IPC 1-7  
**F41H 1/02**; **A41D 31/00**

IPC 8 full level  
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