

Title (en)
BALLISTIC VEST

Title (de)
SCHUSSSICHERE WESTE

Title (fr)
GILET BALISTIQUE

Publication
EP 1269103 B1 20111130 (EN)

Application
EP 01910221 A 20010205

Priority
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• NL 1014345 A 20000210

Abstract (en)
[origin: WO0159397A1] The invention relates to a ballistic vest containing a stack of flexible fabrics and a stack of flexible unidirectional layers, in which the fabrics contain strong fibres of a first kind, the unidirectional layers contain strong fibres of a second kind, and in which the fibres in a unidirectional layer run essentially parallel and are disposed at an angle to fibres in an adjacent layer which is greater than 0 degrees, where in that the flexible fabric is a loose fabric and is located on the strike side of the vest. The percentages by weight of the loose fabrics and the stack of UD layers preferably is between 15:85 and 30:70 %. In that case, a vest of areal density less than 6 kg/m<2> can have such ballistic resistance as to stop an Action 3 bullet with a velocity of up to 437 m/s with a trauma to NIJ Standard of less than 44 mm.

IPC 8 full level
F41H 5/04 (2006.01)

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F41H 1/02 (2013.01 - KR); **F41H 5/0485** (2013.01 - EP)

Citation (examination)
RUAG AMMOTEC: "9 mm Luger SINTOX TM - ACTION 3", 1 May 2008, 20080501, PAGE(S) 1, XP007916673

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