

Title (en)
BALLISTIC VEST

Title (de)
SCHUSSSICHERE WESTE

Title (fr)
GILET BALISTIQUE

Publication
EP 1269103 A1 20030102 (EN)

Application
EP 01910221 A 20010205

Priority
• NL 0100091 W 20010205
• 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 1-7
F41H 5/04

IPC 8 full level
F41H 5/04 (2006.01)

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

Citation (search report)
See references of WO 0159397A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0159397 A1 20010816; AT E535772 T1 20111215; AU 3780101 A 20010820; CA 2399538 A1 20010816; CA 2399538 C 20080422; CN 1196910 C 20050413; CN 1422378 A 20030604; EP 1269103 A1 20030102; EP 1269103 B1 20111130; KR 100567118 B1 20060331; KR 20020079845 A 20021019; NL 1014345 C2 20010813; TW 461956 B 20011101

DOCDB simple family (application)
NL 0100091 W 20010205; AT 01910221 T 20010205; AU 3780101 A 20010205; CA 2399538 A 20010205; CN 01807892 A 20010205; EP 01910221 A 20010205; KR 20027010371 A 20020810; NL 1014345 A 20000210; TW 89110887 A 20000603