

Title (en)
Material for anti-ballistic body protection

Title (de)
Material für antibalistischen Körperschutz

Title (fr)
Matériau antibalistique pour protection du corps

Publication
EP 0655600 B1 19980401 (DE)

Application
EP 94118182 A 19941118

Priority
DE 4340172 A 19931125

Abstract (en)
[origin: EP0655600A1] A material for anti-ballistic body protection, which has at least one layer of a flat material, which contains an organic product which gives it dilatancy, in a single-layer or multilayer packet laminate. This flat material is particularly suitable for the trauma packet in the anti-ballistic packet. This flat material having a product which gives it dilatancy results in a considerable improvement in the anti-ballistic effect and particularly in a reduction in the trauma effect. The material according to the invention is used in particular for bullet-proof vests and fragment-proof vests and for equivalent helmets. The material according to the invention can also be used for impact-protection clothing (cladding).

IPC 1-7
F41H 1/02

IPC 8 full level
B32B 5/04 (2006.01); **F41H 1/02** (2006.01); **F41H 1/04** (2006.01); **F41H 5/04** (2006.01)

CPC (source: EP US)
A41D 13/015 (2013.01 - EP US); **F41H 1/02** (2013.01 - EP US); **F41H 5/0478** (2013.01 - EP US); **Y10S 428/911** (2013.01 - EP US); **Y10T 428/249953** (2015.04 - EP US); **Y10T 442/2361** (2015.04 - EP US); **Y10T 442/2623** (2015.04 - EP US); **Y10T 442/2869** (2015.04 - EP US); **Y10T 442/2902** (2015.04 - EP US); **Y10T 442/291** (2015.04 - EP US)

Cited by
EP1858700A4

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI NL SE

DOCDB simple family (publication)
EP 0655600 A1 19950531; EP 0655600 B1 19980401; AT E164669 T1 19980415; AU 674795 B2 19970109; AU 7902894 A 19950601; CA 2136523 A1 19950526; CN 1071017 C 20010912; CN 1107966 A 19950906; CZ 289994 A3 19950614; DE 59405576 D1 19980507; FI 945554 A0 19941125; FI 945554 A 19950526; IL 111632 A0 19950124; IL 111632 A 19970713; JP H07190694 A 19950728; NO 944338 D0 19941114; NO 944338 L 19950526; PL 305969 A1 19950529; SK 142294 A3 19950607; US 5854143 A 19981229; ZA 949070 B 19951005

DOCDB simple family (application)
EP 94118182 A 19941118; AT 94118182 T 19941118; AU 7902894 A 19941124; CA 2136523 A 19941123; CN 94120124 A 19941124; CZ 289994 A 19941124; DE 59405576 T 19941118; FI 945554 A 19941125; IL 11163294 A 19941114; JP 28228294 A 19941116; NO 944338 A 19941114; PL 30596994 A 19941124; SK 142294 A 19941123; US 79454097 A 19970203; ZA 949070 A 19941115