

Title (en)

DEVICE FOR THE PROTECTION OF BODY PARTS FROM PENETRATING OBJECTS AND PROTECTIVE SUIT USING SAID PROTECTION DEVICE

Title (de)

EINRICHTUNG ZUM SCHUTZ VON KÖRPERTEILEN VOR EINDRINGENDEN GEGENSTÄNDEN SOWIE SCHUTZOBERBEKLEIDUNG UNTER VERWENDUNG EINER SOLCHEN SCHUTZEINRICHTUNG

Title (fr)

DISPOSITIF DE PROTECTION DE PARTIES CORPORELLES CONTRE DES OBJETS PENETRANTS ET VETEMENT DE PROTECTION UTILISANT LEDIT DISPOSITIF DE PROTECTION

Publication

EP 1337166 A1 20030827 (DE)

Application

EP 01981930 A 20011024

Priority

- AT 0100345 W 20011024
- AT 19882000 A 20001127

Abstract (en)

[origin: WO241719A1] The invention relates to a device for the protection of body parts from penetrating objects, such as, for example, shots or shrapnel, with at least one support layer (1) and at least one layer (3) of protective plates (4) arranged alongside each other, with at least one energy-absorbing layer arranged in front of the support layer (1) in the direction of impact (X) of the object and protective suit using said protection device. Such a protection device, in particular serving as additional protection for ballistic shot protection and lying in front thereof and offering a security against stabbing with daggers or needles and furthermore a high degree of flexibility may be achieved, whereby at least one energy absorbing layer (2), made from a three-dimensional matrix based on polynorbornenes and the protective plates (4) are connected to the support layer (1) by means of the energy-absorbing layer (2) such that a protective layer which may be bent in one direction results. The separation of the protective plates is preferably a maximum of 0.2 mm.

IPC 1-7

A41D 31/00; **F41H 5/04**

IPC 8 full level

A41D 31/00 (2006.01); **F41H 5/04** (2006.01)

CPC (source: EP)

A41D 31/245 (2019.01); **F41H 5/0428** (2013.01); **F41H 5/0457** (2013.01); **F41H 5/0478** (2013.01)

Citation (search report)

See references of WO 0241719A1

Cited by

DE102005018480B4; DE102005018480A1; US8113104B2; US8215223B2; US7562612B2

Designated contracting state (EPC)

AT DE FR GB

DOCDB simple family (publication)

WO 0241719 A1 20020530; AT 410142 B 20030225; AT A19882000 A 20020615; AT E270827 T1 20040715; AU 1363202 A 20020603; DE 50102874 D1 20040819; EP 1337166 A1 20030827; EP 1337166 B1 20040714

DOCDB simple family (application)

AT 0100345 W 20011024; AT 01981930 T 20011024; AT 19882000 A 20001127; AU 1363202 A 20011024; DE 50102874 T 20011024; EP 01981930 A 20011024