

Title (en)  
PROTECTIVE GARMENT

Title (de)  
SCHUTZKLEIDUNG

Title (fr)  
VETEMENT DE PROTECTION

Publication  
**EP 1446628 B1 20080827 (DE)**

Application  
**EP 02782962 A 20021019**

Priority  
• EP 02782962 A 20021019  
• EP 0211735 W 20021019  
• EP 01126509 A 20011110

Abstract (en)  
[origin: WO03042622A1] The invention relates to a protective garment comprising at least one protective material consisting of an array of one or more superimposed plies of fabric, wherein each ply of fabric is flexible and consists of at least one fabric connected to at least one polymer film, the yarns of said fabric having a strength of at least 900 MPa and wherein the protective material has an outer surface facing the side of attack and an inner surface opposite the side of attack. The invention is characterized in that the protective material also has at least another ply made of felt, which is arranged on one of the plies of fabric.

IPC 8 full level  
**F41H 1/02** (2006.01); **F41H 5/04** (2006.01); **A41D 13/00** (2006.01); **A41D 31/00** (2006.01); **A41D 31/02** (2006.01); **B32B 27/12** (2006.01)

CPC (source: EP US)  
**F41H 5/0478** (2013.01 - EP US); **Y10T 442/2615** (2015.04 - EP US); **Y10T 442/2623** (2015.04 - EP US)

Citation (examination)  
• WO 9802607 A1 19980122 - DSM NV [NL], et al  
• EP 0879001 B1 20000119 - BEKAERT SA NV [BE]  
• EP 0955515 B1 20020821 - ZIEGLER MECHANISCHE WERKSTATT METALLGEWEBE & ARBEITSSCHUTZ GMBH [DE]  
• EP 1246546 B1 20040915 - DU PONT [US]  
• LEO - EIN ONLINE SERVICE DER INFORMATIK DER TECHNISCHEN UNIVERSITÄT MÜNCHEN: "suchbegriff "piercing"", 19 January 2006 (2006-01-19)  
• U.S. DEPARTEMENT OF JUSTICE - NATIONAL INSTITUTE OF JUSTICE: "Ballistic Resistance of Personal Body Armor - NIJ Standard-0101.04", June 2001  
• DIN DEUTSCHES INSTITUT FÜR NORMUNG: "DIN EN 388:2003-12 Schutzhandschuhe gegen mechanische Risiken", 2003

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

Designated extension state (EPC)  
LT

DOCDB simple family (publication)  
**WO 03042622 A1 20030522**; AT E406557 T1 20080915; AU 2002346953 B2 20071122; AU 2002346953 B9 20080529; BR 0214033 A 20041013; DE 50212714 D1 20081009; EP 1446628 A1 20040818; EP 1446628 B1 20080827; JP 2005509757 A 20050414; JP 4325932 B2 20090902; PL 200090 B1 20081231; PL 368715 A1 20050404; US 2005066400 A1 20050331; US 7150046 B2 20061219

DOCDB simple family (application)  
**EP 0211735 W 20021019**; AT 02782962 T 20021019; AU 2002346953 A 20021019; BR 0214033 A 20021019; DE 50212714 T 20021019; EP 02782962 A 20021019; JP 2003544408 A 20021019; PL 36871502 A 20021019; US 49526904 A 20040723