

Title (en)  
PROTECTIVE CLOTHING PROVIDING ABC PROTECTION

Title (de)  
SCHUTZBEKLEIDUNG MIT ABC-SCHUTZ

Title (fr)  
VETEMENT DE PROTECTION NBC

Publication  
**EP 1675659 B1 20140226 (DE)**

Application  
**EP 04727883 A 20040416**

Priority  

- EP 2004004029 W 20040416
- DE 10349546 A 20031022
- DE 10354623 A 20031122

Abstract (en)  
[origin: WO2005049147A1] The invention relates to an adsorption material (1) with a protective action against chemical toxins, in particular chemical weapons. Said material has a multi-ply layered structure (2), the latter (2) comprising at least one support layer (3), in particular a flat support layer and an interlining (4) that is applied to the support layer (3) and that prevents or at least delays the penetration of chemical toxins. The interlining (4) comprises at least one adsorption layer (5) based on an adsorbent, in particular an active charcoal-based adsorbent, which adsorbs a chemical toxin and at least one essentially water- and air-tight, but water-vapour permeable membrane (6), which delays the penetration of chemical toxins or is at least essentially impermeable to said toxins. The adsorption material (1) is extremely comfortable to wear, having in particular good breathability, whilst guaranteeing excellent protection against chemical toxins.

IPC 8 full level  
**A62D 5/00** (2006.01); **A62B 17/00** (2006.01)

CPC (source: EP US)  
**A62D 5/00** (2013.01 - EP US); **Y10T 428/24826** (2015.01 - EP US); **Y10T 428/249978** (2015.04 - EP US); **Y10T 428/249981** (2015.04 - EP US); **Y10T 428/249991** (2015.04 - EP US); **Y10T 428/249992** (2015.04 - EP US); **Y10T 428/31504** (2015.04 - EP US); **Y10T 428/31551** (2015.04 - EP US); **Y10T 428/31725** (2015.04 - EP US); **Y10T 428/31971** (2015.04 - EP US); **Y10T 442/2516** (2015.04 - EP US)

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

Designated extension state (EPC)  
AL HR LT LV MK

DOCDB simple family (publication)  
**WO 2005049147 A1 20050602**; EP 1675659 A1 20060705; EP 1675659 B1 20140226; JP 2007508877 A 20070412; JP 4587077 B2 20101124; US 2007059504 A1 20070315; US 7465490 B2 20081216

DOCDB simple family (application)  
**EP 2004004029 W 20040416**; EP 04727883 A 20040416; JP 2006535953 A 20040416; US 57677904 A 20040416