

Title (en)

Gas-impermeable, chemical-resistant protective clothing.

Title (de)

Gasundurchlässiger chemikalienbeständiger Schutzanzug.

Title (fr)

Vêtement de protection imperméable au gaz et résistant aux agents chimiques.

Publication

EP 0659550 A1 19950628 (DE)

Application

EP 94116741 A 19941024

Priority

DE 4336788 A 19931025

Abstract (en)

Gas-tight, chemically resistant protective clothing is made from a film-coated non-woven fabric (1) which is reinforced with woven or knitted fabric (2) made from polyester, polyamide, aramid or polypropylene microfibres, and is capillary active on the body side (8). The film coating (11) is a composite contg. at least 5 layers (3, 4, 5, 6, 7). Pref. fabric (1) is reinforced with woven or knitted fabric (2) made from polymer fibre yarn (polymers as above), and has a water absorption of more than 150%. Film coating (11) consists of layers of polyethylene (3), adhesive (4), EVOH (5), adhesive (6) and polyethylene (7) (from the outside to the inside), each layer having a thickness of 5-100µm. The PE layer (7) in contact with fabric (1) also contains 0.1-10% EVA. Fabric (1) may be coated with two superimposed layers of film (11).

Abstract (de)

Die Erfindung betrifft einen gasundurchlässigen chemikalienbeständigen Schutzanzug, der aus einem folienbeschichteten Vlies (1) gefertigt ist. Das Vlies weist ein hohes Wasseraufnahmevermögen auf. Dadurch wird der Tragekomfort des Schutzanzuges entscheidend verbessert. Durch die Folienbeschichtung (11) ist der Schutzanzug gegen die gebräuchlichsten Chemikalien beständig. Das Vlies ist gewebeverstärkt (2). Dies führt zu einer hohen Reißfestigkeit des Schutzanzuges. <IMAGE>

IPC 1-7

B32B 27/12; **A62D 5/00**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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Designated contracting state (EPC)

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