

Title (en)

PROTECTIVE GARMENT WITH CLOSED-CELL FOAM LINER

Title (de)

SCHUTZBEKLEIDUNG MIT GESCHLOSSENZELLIGER SCHAUMINNENSCHICHT

Title (fr)

VETEMENT PROTECTEUR A DOUBLURE EN MOUSSE A ALVEOLES FERMEES

Publication

**EP 0794711 A4 19981216 (EN)**

Application

**EP 94928577 A 19940913**

Priority

US 9410272 W 19940913

Abstract (en)

[origin: WO9608174A1] A protective garment (10) having an outer shell (26) and an inner liner (28) functioning as a thermal barrier and moisture barrier made of a fire-retardant, apertured or non-apertured closed-cell foam material (29). The closed-cell foam liner (28) is moisture resistant and at the same time provides adequate thermal insulation. In a first embodiment, the moisture resistance of the foam liner (28) eliminates the need for a separate moisture barrier, and allows the liner (28) to be bonded directly to the outer shell (26). However, in a preferred embodiment, the inner liner (28) is separate from the shell (26) and includes a fabric substrate (66) of an aramid fiber to which it is bonded. The fabric substrate faces the wearer and prevents abrasion of the foam (29) by the wearer and enhances the tear strength of the foam (29). In an second preferred embodiment, the garment includes a moisture barrier layer (64) positioned between the foam liner (28) and the wearer of the garment (10).

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- No further relevant documents disclosed
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