

Title (en)

UNILAYER FABRIC WITH REINFORCING PARTS

Title (de)

EINSCHICHTIGES GEWEBE MIT VERSTÄRKUNGSELEMENTEN

Title (fr)

TEXTILE MONOCOUCHE A PIECES DE RENFORT

Publication

EP 1633913 A1 20060315 (EN)

Application

EP 03731510 A 20030603

Priority

US 0317423 W 20030603

Abstract (en)

[origin: WO2004109000A1] The present invention relates to a unilayer flexible performance fabric which may be fabricated into apparel and articles having high performance fibers, such as high tensile modulus fibers positioned within a base fabric in at least one preselected location only where required to impart performance characteristics which are equal to or exceed the specifications for the garment. For example, if cut resistance is a requirement, performance fibers which provide such protection from this hazard would be used. Likewise, if abrasion resistance is intended for an apparel such as coveralls, only the knees and elbows would require the performance fiber. Thus, reducing the amount of expensive fibers normally used. The invented fabric is manufactured in a method in which the placement of the fabric in preselected locations is computer controlled.

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