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(54) Title: STRETCHABLE FABRICS COMPRISING ELASTICS INCORPORATED INTO NYCO FOR USE IN COMBAT UNIFORMS

(57) Abstract: A stretchable fabric comprising NYCO fabric with about 2 to about 4 wt.% elastic, such as an elastane as LYCRA®, is disclosed. The stretchable fabric of the invention exhibits about 20 to about 50 % fabric stretch, and is suitable for application in combat uniforms where mobility and comfort are desirable. The stretchable fabric maintains or exceeds substantially all military uniform standard requirements and exhibits characteristics such as breaking strength, tear resistance, air permeability and abrasion resistance similar to that of NYCO fabric. Also disclosed is a garment manufactured from the stretchable fabric, as well as methods for manufacturing, dying and finishing the stretchable fabric.



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