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(54) **METHOD FOR RECYCLING POLYESTER FABRIC**

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(58) **Field of Classification Search**

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See application file for complete search history.

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(57) **ABSTRACT**

A method for recycling a polyester fabric is provided. The method includes providing a polyester fabric that is dyed and has dye and water repellent attached thereon, providing a composite solvent containing water and acetic acid mixed with each other, performing an extraction operation including infiltrating the polyester fabric with the composite solvent and extracting the dye and the water repellent, and carrying out a liquid state polycondensation reaction on the polyester fabric so that an intrinsic viscosity of the polyester fabric is increased and residual impurities of the polyester fabric are further removed.

10 Claims, 1 Drawing Sheet