

DRY CLEANING METHOD AND MODIFIED SOLVENT**ABSTRACT**

The present invention comprises a dry cleaning system and method, in which dry cleaning machinery is used in conjunction with a specific solvent which is derived from an organic/inorganic hybrid (organo silicone). In this class of organo silicones is a group known as cyclic siloxanes. Such cyclic-siloxane-based solvent allows the system to result in an environmentally friendly process which is, also, more effective in cleaning fabrics and the like than any known prior system. The siloxane composition is employed in a dry cleaning machine to carry out the method of the invention. In order to enhance the cleaning capabilities of the cyclic-siloxane-based solvent, such solvent is modified with a chemical that is selected from the group of chemicals including 2-ethylhexyl acetate, esters, alcohols, and ethers. In a preferred embodiment, the method comprises the steps of loading articles into a cleaning basket; agitating the articles and the modified siloxane composition in which they are immersed; removing most of the modified siloxane composition; centrifuging the articles; and removing the articles from the basket after cooling the articles.



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