

can be easily taken out of the washing machine (1). During the unroll process the articles would be dried.

Figure 4 is a diagram of a solvent filtering apparatus working as follows : dry cleaning washing machine (1) is located above the filtering apparatus (12). The dirty solvent flowing out of the washing machine directly enters gravitationally into the fiber separator (13), then the dirty solvent enters the separator of dirty water and solvent (14), dirty water enters the dirty water tank (15) to be discharged periodically, while the waterless solvent flows into the dirty solvent tank (22). From the dirty solvent tank (22) the solvent is sucked by the dirty solvent pump (17) through particle filter (18), active carbon filter (19) to filter colour substance and odour, nano filter (20) to achieve clean solvent and through UV lamp (21) to kill bacteria, and finally enters the clean solvent tank (22). The clean solvent is sucked by the clean solvent pump (23) into the washing machine (1) for reuse. The connection between the elements of the filtering apparatus (12) is made with medium PVC pipe.

The solvent dodecamethylcyclotetrasiloxane (D6) vapourizes easily under room temperature, as well as octamethyl-cyclotetrasiloxane and decamethyl-cyclopentasiloxane. When processed by the filtering apparatus (12), these solvents will vapourize quickly. Their vapour is safe to the operator and environment.

According to the above disclosure, it can be concluded that the dry cleaning washing machine (1) according to the invention exposes following advantages :

1. Washing machine (1) can be applied as a dry cleaning washing machine so the it saves the initial investment.