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(54) **METHOD FOR INTRODUCING DYES AND OTHER CHEMICALS INTO A TEXTILE TREATMENT SYSTEM**

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(58) **Field of Search** 68/207, 189, 184; 8/475

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(57) **ABSTRACT**

A process for introducing a textile treatment material into a textile treatment system, particularly a supercritical fluid carbon dioxide (SCF—CO₂) treatment system. The process includes the steps of providing a preparation vessel in fluid communication with a textile treatment system; loading a textile treatment material into the preparation vessel; dissolving or suspending the textile treatment material in near-critical liquid carbon dioxide or supercritical fluid carbon dioxide in the preparation vessel; and introducing the dissolved or suspended textile treatment material into the textile treatment system. The textile treatment material can be selected from a group including a brightening agent, a whitening agent and a dye. A system suitable for use in carrying out the process is also disclosed.

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18 Claims, 6 Drawing Sheets

