



US006224774B1

(12) **United States Patent**
DeSimone et al.(10) **Patent No.:** US 6,224,774 B1
(45) **Date of Patent:** *May 1, 2001

- (54) **METHOD OF ENTRAINING SOLID PARTICULATES IN CARBON DIOXIDE FLUIDS**
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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(57) **ABSTRACT**

The separation of a contaminant from a substrate that carries the contaminant is disclosed. The process comprises contacting the substrate to a carbon dioxide fluid containing an amphiphilic species so that the contaminant associates with the amphiphilic species and becomes entrained in the carbon dioxide fluid. The substrate is then separated from the carbon dioxide fluid, and then the contaminant is separated from the carbon dioxide fluid.

This patent is subject to a terminal disclaimer.

- (21) Appl. No.: **09/249,701**
(22) Filed: **Feb. 12, 1999**

Related U.S. Application Data

- (63) Continuation of application No. 08/850,371, filed on May 2, 1997, which is a continuation-in-part of application No. 08/553,082, filed on Nov. 3, 1995, now Pat. No. 5,783,082.

- (51) **Int. Cl.**⁷ **B01D 11/00**
(52) **U.S. Cl.** **210/634; 210/636; 210/638; 134/1; 134/10; 134/13**
(58) **Field of Search** 210/636, 638, 210/767, 511, 639, 748, 774, 805; 134/1, 10, 13, 42, 188, 107, 108.1; 68/58, 184; 8/142, 111

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14 Claims, No Drawings