



US006512062B1

(12) **United States Patent**
DeSimone et al.

(10) **Patent No.:** **US 6,512,062 B1**
(45) **Date of Patent:** **Jan. 28, 2003**

(54) **POLYMERIZATION OF NON-FLUORINATED MONOMERS IN CARBON DIOXIDE**

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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.

(21) Appl. No.: **09/545,437**

(22) Filed: **Apr. 7, 2000**

Related U.S. Application Data

(60) Provisional application No. 60/128,353, filed on Apr. 8, 1999.

(51) **Int. Cl.⁷** **C08F 2/00**

(52) **U.S. Cl.** **526/201**; 526/264; 526/303.1; 526/317.1; 526/320; 526/328.5

(58) **Field of Search** 526/264, 201, 526/303.1, 317.1, 320, 328.5; 524/458

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(57) **ABSTRACT**

A method of forming a water soluble polymer comprises polymerizing a non-fluorinated monomer in a reaction medium comprising carbon dioxide to form a water soluble polymer, wherein the polymerization is carried out in the presence of a surfactant that stabilizes the water soluble polymer in the reaction medium.

37 Claims, 14 Drawing Sheets