United States Patent [19]

Bendix et al.

[11] **Patent Number: 4,810,775**

[45] **Date of Patent: Mar. 7, 1989**

[54] **PROCESS FOR PURIFYING RESORBABLE POLYESTERS**

[75] Inventors: **Dieter Bendix; Dieter Reichert,** both of Ingelheim am Rhein; **Michael Scharfe,** Wiesbaden, all of Fed. Rep. of Germany

[73] Assignee: **Boehringer Ingelheim KG,** Ingelheim am Rhein, Fed. Rep. of Germany

[21] Appl. No.: **170,188**

[22] Filed: **Mar. 18, 1988**

[30] **Foreign Application Priority Data**

Mar. 19, 1987 [DE] Fed. Rep. of Germany 3708916

[51] **Int. Cl.**[4] **C08F 6/12**

[52] **U.S. Cl.** **528/480;** 528/481; 528/486; 528/487; 528/491; 528/492; 528/493; 528/494; 528/496; 528/497; 528/499; 528/502; 528/503; 210/768; 210/772; 210/773; 210/774; 210/787

[58] **Field of Search** 528/480, 481, 486, 487, 528/491, 492, 493, 494, 496, 497, 499, 502, 503; 210/768, 772, 773, 774, 787

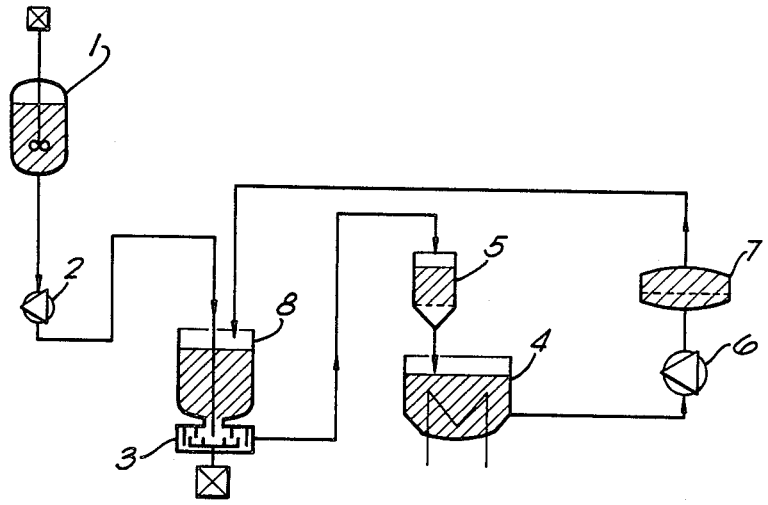
[56] **References Cited**

U.S. PATENT DOCUMENTS

3,297,033	1/1967	Schmitt et al.	128/335.5
3,878,284	4/1975	Schmitt et al.	264/184
4,279,249	7/1981	Vert et al.	128/92 D
4,313,879	2/1982	Klenk et al.	260/343
4,341,709	7/1982	Hofen et al.	549/272
4,454,045	6/1984	Perplies	210/672
4,523,591	6/1985	Kaplan et al.	128/334 R

Primary Examiner—John Kight
Assistant Examiner—S. A. Acquah
Attorney, Agent, or Firm—David E. Frankhouser; Alan R. Stempel; Mary-Ellen M. Timbers

[57] **ABSTRACT**

The invention relates to the purification of polymers, particularly resorbable polyesters, using shear fields produced mechanically or by fluid dynamics.

23 Claims, 2 Drawing Sheets