

[54] ENZYME-FILTRATION CLARIFICATION OF XANTHAN GUM POLYMER SOLUTION

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[21] Appl. No.: 797,093

[22] Filed: May 16, 1977

[51] Int. Cl.² C12D 13/04

[52] U.S. Cl. 195/7; 210/2; 210/12; 195/31 P; 252/8.55 D; 536/114

[58] Field of Search 210/2, 11, 18, 12; 195/4, 7, 31 P; 536/1, 114; 252/8.55 D; 166/246

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[57] ABSTRACT

An aqueous xanthan gum polymer solution that contains bacterial cell bodies can be clarified by enzymatically disintegrating the cell bodies and/or filtering the solution to remove suspended solids. The clarification is improved by initiating an enzymatic disintegration but, before the cell bodies are completely disintegrated, contacting the solution with particles of solid siliceous material at an adsorption-enhancing pH, and then filtering-out the siliceous solids and the partially-disintegrated cell bodies that are adsorbed on them.

6 Claims, 1 Drawing Figure

