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(54) **COMPOSITIONS FOR FRACTURING SUBTERRANEAN FORMATIONS**

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This patent is subject to a terminal disclaimer.

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(58) **Field of Search** 507/201, 211, 507/923

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(57) **ABSTRACT**

A method of fracturing a subterranean formation which surrounds a well bore comprises the steps of providing a fracturing fluid, and injecting the fracturing fluid into the well bore at a pressure sufficient to form fractures in the subterranean formation which surrounds the well bore. The pressure is then released from the fracturing fluid, after which the fluid may be removed from the well and the well placed into production. The fracturing fluid comprises an aqueous liquid, a polysaccharide soluble or dispersible in the aqueous liquid in an amount sufficient to increase the viscosity of the aqueous liquid, an enzyme breaker which degrades the polysaccharide at a temperature above 180° F. Fracturing fluid compositions and enzyme breaker systems useful for carrying out the invention are also disclosed.

48 Claims, 3 Drawing Sheets