



[12] Patent

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[21] Application No.: GCC/P/2001/1255 [22] Filing Date: 28/03/2001 [30] Priority: [31] Priority No. [32] Priority date [33] State 09/542817 04/04/2000 US [72] Inventor: Julie Benedetta Marie Aline Morgan [73] Owner: ActiSystems, Inc., 1409 Pine Oak Place, Edmond, Oklahoma 77034, USA [74] Agent: Suleiman Ibrahim Al-Ammar	[51] Int. Cl. ⁷ : C09K [56] Cited Documents: - WO 0047692 A (ACTISYSTEMS INC; BROOKEY TOMMY F (US); COWAN JACK C (US)) 17 August 2000 - WO 0047690 A (ACTISYSTEMS INC; BROOKEY TOMMY F (US); COWAN JACK C (US)) 17 August 2000 - WO 9836151 A (ACTISYSTEMS INC; BROOKEY TOMMY F (US)) 20 August 1998

[54] METHOD OF GENERATING GAS BUBBLES IN OLEAGINOUS LIQUIDS

[57] Abstract: Disclosed is a method of generating microbubbles in oleaginous liquids which comprises adding a silicone oil to the oleaginous liquid and thereafter subjecting the liquid to mechanical forces in the presence of a gas. Also disclosed are oil base well drilling and servicing fluids having a low shear rate viscosity as measured with a Brookfield Viscometer at 0.5 rpm of at least 10,000 centipoise and having incorporated therein microbubbles generated by the disclosed method, and a method of drilling a well wherein there is circulated within the wellbore during drilling the oil base, microbubble-containing fluid disclosed.

No. of claims: 24