

Search query (1): [SP]: Scales are prevented or inhibited from forming in a well or in a formation penetrated by a well by pumping into the well a fluid comprising a hydratable polymer, a crosslinking agent, such as an organometallic crosslinking agent containing a polyvalent metal and a scale inhibitor selected from the group consisting of polyvinyl sulfonates, a polyacrylamidomethylpropane sulfonic acid, carboxymethyl inulin and sulfonated polyacrylates and mixtures thereof.

Results: 13

1) Family number: 58628999 (US2015060062A)

© PatBase

Title: METHOD FOR ENHANCING PRODUCTIVITY OF HYDROCARBON FORMATIONS USING FLUID CONTAINING ORGANOMETALLIC CROSSLINKING AGENT AND SCALE INHIBITOR

Abstract: Source: US2015060062A Scales are prevented or inhibited from forming in a well or in a formation penetrated by a well by pumping into the well a fluid comprising a hydratable polymer, a crosslinking agent, such as an organometallic crosslinking agent containing a polyvalent metal and a scale inhibitor selected from the group consisting of polyvinyl sulfonates, a polyacrylamidomethylpropane sulfonic acid, carboxymethyl inulin and sulfonated polyacrylates and mixtures thereof.

Classifications:

International (IPC 8-9): C09K8/52 C09K8/528 C09K8/68 C09K8/88 C09K8/90 E21B37/06 E21B43/16 E21B43/25 (Advanced/Invention)

CPC: C09K8/52 E21B43/16 C09K8/685 C09K8/882 C09K8/887

C09K8/90 C09K8/528

US: 166/279

PatBase - US2015060062_AA

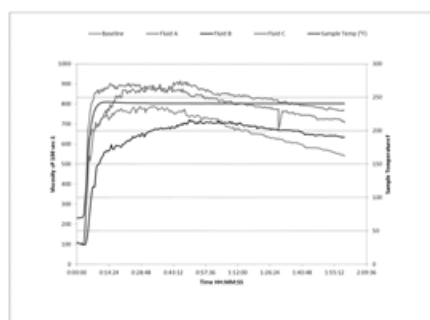


Figure 1

Family:

Publication number	Publication date	Application number	Application date
CA2920668 AA	20160205	CA20142920668	20140812
IN201617004006 A	20160722	IN201617004006	20160204
US2015060062 AA	20150305	US20130015660	20130830
WO15031047 A1	20150305	WO2014US50754	20140812

Priority:

US20130015660 20130830 WO2014US50754 20140812

Probable Assignee: BAKER HUGHES INC

Assignee(s): (std): BAKER HUGHES INC

Assignee(s): GALVAN DORA V ; LE HOANG V ; QU QI ; SHEN DONG

Inventor(s): (std): GALVAN DORA V ; LE HOANG V ; QU QI ; SHEN DONG

Agent(s): BERESKIN AND PARR LLP SENCRL SRL; JONES JOHN WILSON

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

2) Family number: 32566242 (US2006014648A)

© PatBase

Title: BRINE-BASED VISCOSIFIED TREATMENT FLUIDS AND ASSOCIATED METHODS

Abstract: Source: US2006014648A The present invention relates to viscosified treatment fluids used in industrial and oil field operations, and more particularly, to brine-based viscosified treatment fluids comprising xanthan gelling agents, and their use in industrial and oil field operations. In one embodiment, the present invention provides a method of treating a portion of a subterranean formation comprising the steps of: providing a viscosified treatment fluid that comprises a brine and a gelling agent that comprises a clarified xanthan; and treating the portion of the subterranean formation. The present invention also provides methods of fracturing, gravel packing, and making viscosified treatments fluids. Also provided are viscosified treatment fluid compositions, and gelling agent compositions.

Classifications:

International (IPC 8-9): C09K8/00 C09K8/04 C09K8/08 C09K8/40 C09K8/52 C09K8/56 C09K8/588 C09K8/60 C09K8/66 C09K8/68 C09K8/72 C09K8/74 C09K8/90 E21B43/04 E21B43/16 E21B43/25

E21B43/26 E21B43/267 E21B43/27 E21B43/28 (Advanced/Invention);

E21B37/06 E21B43/00 (Advanced/Non-invention);

C09K8/00 C09K8/02 C09K8/40 C09K8/52 C09K8/56 C09K8/58

C09K8/60 E21B43/02 E21B43/25 (Core/Invention);

E21B37/00 E21B43/00 (Core/Non-invention);

E21B (Subclass/Invention)

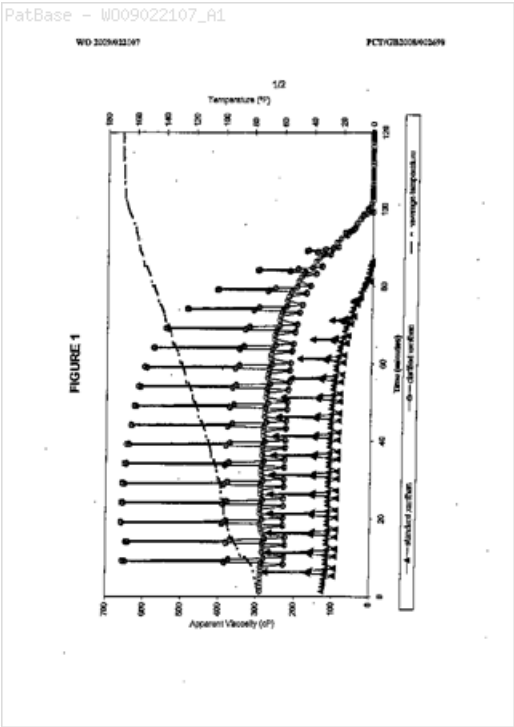
International (IPC 1-7): E21B

CPC: C09K8/74 C09K8/76 C23F11/04 C23F11/10 C23F11/173

C09K8/08 C09K8/40 C09K8/52 C09K8/68 C09K8/685 C09K8/70

C09K8/90 C09K8/528 C09K8/887

European: C09K8/08 C09K8/40 C09K8/52 C09K8/528 C09K8/68 C09K8/68B C09K8/70 C09K8/74 C09K8/76 C09K8/88C C09K8/90 C23F11/04 C23F11/10 C23F11/173
US: 166/305.1 166/307 166/308.1 166/308.2 507/209 507/211 507/213 507/213P 507/90



Family:

Publication number	Publication date	Application number	Application date
AU2008288334 AA	20090219	AU20080288334	20080808
AU2008288334 BB	20130704	AU20080288334	20080808
BRPI0814466 A2	20150120	BR2008PI14466	20080808
CA2694151 AA	20100121	CA20082694151	20080808
CA2694151 C	20130730	CA20082694151	20080808
CN101970598 A	20110209	CN200880110326	20080808
CN101970598 B	20130904	CN200880110326	20080808
DE602006034902 D1	20130502	DE200660034902T	20060426
DK1880081 T3	20130603	DK20060726916T	20060426
EP1617039 A1	20060118	EP20050254386	20050713
EP1880081 A2	20080123	EP20060726916	20060426
EP1880081 B1	20130306	EP20060726916	20060426
EP2185666 A1	20100519	EP20080788269	20080808
MX2010001625 A1	20100315	MX20100001625	20080808
MY150016 A	20131115	MY20100000625	20080808
NO20053403 A	20060116	NO20050003403	20050713
NO20053403 A0	20050713	NO20050003403	20050713
NO20075525 A	20080129	NO20070005525	20071101
NZ583208 A	20120629	NZ20080583208	20080808
US2006014648 AA	20060119	US20040889860	20040713
US2006243449 AA	20061102	US20050118028	20050429
US2006247135 AA	20061102	US20050117959	20050429
US2007281868 AA	20071206	US20070891542	20070810
US2008039347 AA	20080214	US20070891511	20070810
US2009042750 AA	20090212	US20070891538	20070810
US7547665 BB	20090616	US20050117959	20050429
US7621334 BB	20091124	US20050118028	20050429
US7727936 BB	20100601	US20070891538	20070810
US7727937 BB	20100601	US20070891542	20070810
US7825073 BB	20101102	US20070891511	20070810
WO06117517 A2	20061109	WO2006GB01531	20060426
WO06117517 A3	20061221	WO2006GB01531	20060426
WO09022106 A1	20090219	WO2008GB02697	20080808
WO09022107 A1	20090219	WO2008GB02698	20080808

Priority:

EP20060726916	20060426	US20040889860	20040713	US20050117959	20050429
US20070891542	20070810	US20070891511	20070810	US20070891538	20070810
WO2008GB02697	20080808	WO2006GB01531	20060426	US20050118028	20050429

Probable Assignee: HALLIBURTON ENERGY SERVICES INC

Assignee(s): (std): BEACH SEAN R ; BRYANT JASON E ; BURNS BOBBY J ; CURTIS PHILIP ANTHONY ; HALLIBURTON ENERGY SERVICES INC ; HALLIBURTON ENERGY SERV INC ; MILSON SHANE L ; MCMECHAN DAVID E ; MUNOZ TRINIDAD ; HARRIS PHILLIP C ; MUNDY JEFFERY L ; HEATH STANLEY J ; MUNDY JEFFREY L ; MCMECHAN DAVID EUGENE ; PAULS RICHARD ; WELTON THOMAS D ; ROBB IAN D ; PAULS RICHARD W ; SAINI RAJESH K ; SANDERS MICHAEL W ; PARKINSON CHRISTINA A ; WALTERS HAROLD G ; SANDRES MICHAEL W ; MUNOZ TRINIDAD JR

Assignee(s): HALLIBURTON ENERGY SERVICE INC ; HALLIBURTON ENERGY SERVICES INC ; HALLIBURTON ENERGY SERVICES INC

Inventor(s): (std): ANTHONY CURTIS PHILIP ; BEACH SEAN R ; BURNS BOBBY J ; BRYANT JASON E ; EUGENE MCMECHAN DAVID ; HEATH STANLEY J ; MCMECHAN DAVID E ; MCMECHAN DAVID EUGENE ; HARRIS PHILLIP C ; MILSON SHANE L ; PARKINSON CHRISTINA A ; PAULS RICHARD ; PAULS RICHARD W ; MUNDY JEFFERY

Inventor(s):

Agent(s):

Designated states:

3) Family number: 18917579 (US4746687A)

Title: HIGH TEMPERATURE PROFILE MODIFICATION AGENTS AND METHODS FOR USING SAME

Classifications:

International (IPC 8-9): C09K8/12 C09K8/512 C09K8/88

E21B33/138 E21B43/25 (Advanced/Invention):

C09K8/02 C09K8/50 C09K8/60 E21B33/138

E21B43/25 (Core/Invention)

International (IPC 1-7): C08J33/26 C09K7/02

E21B33/138 E21B43/00 E21B43/12 E21B43/16 E21B43/20

E21B43/22 E21B43/25

CPC: Y10S507/903 Y10S507/935 C09K8/887 C09K8/12 C09K8/512

European: C09K8/12 C09K8/512 C09K8/88C

US: 166/270 166/274 166/294 166/295 252/8.554 507/226 507/903

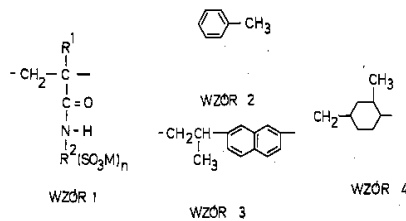
507/935 523/130 524/547 525/328.2 525/360 525/370 525/371

367/368 325/136 321/317 325/325.1 325/366 325/376 325/371

22

149 031

5. Gródek według zastępcy, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 8



Family:

Publication number	Publication date	Application number	Application date
AT75295 E	19920515	AT19860105059T	19860412
BRPI8601947 A	19870106	BR1986PI01947	19860430
CA1289692 A1	19910924	CA19860507832	19860429
CN1011150 B	19910109	CN19861003051	19860430
CN86103051 A	19870218	CN19861003051	19860430
DE3684952 D1	19920527	DE19863684952	19860412
EP0200062 A2	19861105	EP19860105059	19860412
EP0200062 A3	19880824	EP19860105059	19860412
EP0200062 B1	19920422	EP19860105059	19860412
GR861153 B	19860912	GR19860101153	19860429
HU208031 B	19930728	HU19860001823	19860430
HU44058 A2	19880128	HU19860001823	19860430
MX163723 B	19920617	MX19860002388	19860502
NO176067 B	19941017	NO19860001706	19860430
NO176067 C	19950125	NO19860001706	19860430
NO861706 A	19861103	NO19860001706	19860430
PL149631 B1	19900331	PL19860259259	19860430
PL259259 A1	19880609	PL19860259259	19860430

RO109886 B1	19950630	RO19860123205	19860430
US4746687 A	19880524	US19850729512	19850502
US4825949 A	19890502	US19880160941	19880226

Priority:

CA19860507832 19860429 EP19860105059 19860412 PL19860259259 19860430
EP19860105059 19860412 US19880160941 19880226 US19850729512 19850502

Probable Assignee: KEMIRA OYJ

Assignee(s): (std): AMERICAN CYANIDE CO ; AMERICAN CYNAMID CO US ; AMERICAN CYANAMID CO ; RYLES RODERICK G

Assignee(s): KEMIRA OYJ ; ROBUSTELLI ALBERT G ; RYLES RODERICK GLYN ; AMERICAN CYANAMID CO 1937 WEST MAIN ST STAMFORD CT ; AMERICAN CYANAMID CO 1937 WEST MAIN ST STAMFORD CT A CORP OF MAINE ; AMERICAN CYANAMID CO STAMFORD CONN US ; AMERICAN CYANAMID COMPANY ; AMERICAN CYANAMID CO US ; AMERICAN CYANAMID COMPANY WAYNE ; CICCHIELLO JAMES V ; AMERICAN CYANAMID CO WAYNE

Inventor(s): (std): ALBERT G ROBUSTELLI ; ALBERT ROBUSTELLI G ; CICCHIELLO JAMES V ; CICCHIELLO JAMES V US ; CICCHIELLO V JAMES ; JAMES CICCHIELLO V ; JAMES V CICCHIELLO ; ROBUSTELLI ALBERT G ; ROBUSTELLI ALBERT G US ; ROBUSTELLI G ALBERT ; RODERICH GREEN LARRIS ; RODERICH GREEN LARRIS ET AL ; RODERICHGREENLARRIS ETAL ; RODERICK GLYN RYLES ; RODERICK RYLES GLYN ; RYLES GLYN RODERICK ; RYLES RODERICK G ; RYLES RODERICK G US ; RYLES RODERICK GLYN ; RYLES RODERICK GLYN US

Inventor(s): RYLES RODERICK GLYN MILFORD CONNECTICUT 06460 US

Agent(s): SMART AND BIGGAR

Designated states: AT BE CH DE FR GB IT LI NL SE

4) Family number: 23968677 (US2006162928A)

© PatBase

Title: PROCESS FOR TREATING A FORMATION

Abstract: Source: US2006162928A A method of introducing an oil field or gas field production chemical into a hydrocarbon-bearing porous subterranean formation penetrated by a wellbore comprising: injecting a gelling composition comprising an aqueous liquid, an oil field or gas field production chemical, and a gellable polymer through the wellbore into the porous subterranean formation wherein the gellable polymer forms a gel within the pores of the subterranean formation thereby encapsulating the production chemical in the gel; and controllably releasing the production chemical from the gel into a formation fluid.

Classifications:

International (IPC 8-9): C09K8/512 C09K8/514 C09K8/516 C09K8/52 C09K8/54 C09K8/60 C09K8/70 C09K8/88 E21B41/04 E21B43/12 (Advanced/Invention);

C09K8/52 C09K8/528 C09K8/532 C09K8/536 (Advanced/Non-invention);
C09K8/50 C09K8/52 C09K8/54 C09K8/60 E21B41/00 E21B43/12 (Core/Invention)

International (IPC 1-7): E21B37/06 E21B41/02 E21B43/25

CPC: Y10S507/902 Y10S507/906 C09K8/706 C09K8/512 C09K8/514 C09K8/516 C09K8/52 C09K8/54 C09K8/601 C09K8/887 C09K2208/20

European: C09K8/512 C09K8/514 C09K8/516 C09K8/52 C09K8/54 C09K8/60F C09K8/70E C09K8/88C M09K208/20

US: 166/263 166/279 166/295 166/300 166/300S 507/211 507/211S 507/214 507/214S 507/216 507/225 507/225S 507/271 507/902 507/906

Family:

Publication number	Publication date	Application number	Application date
AT393805 E	20080515	AT20030787866T	20030806
AU2003252985 AA	20040303	AU20030252985	20030806
DE60320654 D1	20080612	DE20036020654	20030806
EA009009 B1	20071026	EA20050000316	20030806
EG23506 A	20060207	EG20030080802	20030813
EP1534927 A1	20050601	EP20030787866	20030806
EP1534927 B1	20080430	EP20030787866	20030806
GB200219037 A0	20020925	GB20020019037	20020815
NO20051305 A	20050518	NO20050001305	20050314
US2006162928 AA	20060727	US20030524050	20030806
US7306035 BB	20071211	US20030524050	20030806
WO04016906 A1	20040226	WO2003GB03428	20030806

Priority:

GB20020019037 20020815 WO2003GB03428 20030806

Probable Assignee: BP EXPLORATION OPERATING CO LTD

Assignee(s): (std): BP EXPLORATION OPERATING ; COLLINS IAN R ; COLLINS IAN RALPH ; JONES TREVOR ; OSBORNE CHRISTOPHER GEORGE ; OSBORNE CHRISTOPHER G

Assignee(s): BP EXPLORATION OPERATING CO LTD ; BP EXPLORATION OPERATING COMPANY LIMITED ; BP EXPLORATION OPERATING COMPANY LTD

Inventor(s): (std): COLLINS IAN R ; COLLINS IAN RALPH ; JONES TREVOR ; OSBORNE CHRISTOPHER G ; OSBORNE CHRISTOPHER GEORGE

Inventor(s): TREVOR JONES ; OSBORNE CHRISTOPHER ; IAN RALPH COLLINS ; CHRISTOPHER GEORGE OSBORNE ; COLLINS IAN

Agent(s): HYMERS RONALD ROBSON; NIXON AND VANDERHYE PC; NIXON AND VANDERHYE

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

5) Family number: 2942068 (US4770796A)

© PatBase

Title: ENCAPSULATED BREAKER FOR CROSS-LINKED ACID GEL, FRACTURE ACIDIZING FLUID CONTAINING SAME AND METHOD OF USE THEREOF

Abstract: Source: US4770796A Fracture acidizing fluids are provided containing an encapsulated breaker which releases breaker at a regulated rate over time. A composition comprises a breaker for a cross-linked aqueous acid polymer gel, said breaker being disposed within an encapsulant material.

Classifications:

International (ipc 8-9): C09K8/68 C09K8/74 C09K8/92 E21B43/26 E21B43/27 (Advanced/Invention); C09K8/60 E21B43/25 (Core/Invention)

International (ipc 1-7): C08J11/10 C08L33/26 E21B43/00 E21B43/22 E21B43/26 E21B43/27

CPC: Y10S507/902 Y10S507/921 Y10S507/923 C09K8/706 C09K8/685 C09K8/74 C09K8/92

European: C09K8/68B C09K8/70E C09K8/74 C09K8/92

US: 166/307 252/8.551 252/8.553 507/203 507/214 507/226 507/260 507/902 507/921 507/923

Family:

Publication number	Publication date	Application number	Application date
AU198775692 A1	19880714	AU19870075692	19870715
AU593923 B2	19900222	AU19870075692	19870715
CA1291867 A1	19911112	CA19870549351	19871019
EP0275624 A1	19880727	EP19870306223	19870714
JP63176587 A2	19880720	JP19870195405	19870806
NO880079 A	19880713	NO19880000079	19880111
NO880079 A0	19880111	NO19880000079	19880111
US4770796 A	19880913	US19870002315	19870112

Priority:

CA19870549351 19871019 US19870002315 19870112

Probable Assignee: PETROLITE A DE CORP CORP

Assignee(s): (std): PETROLITE CORP

Assignee(s): JACOBS IRWIN C ; PETROLITE A DE CORP CORP

Inventor(s): (std): AAUIN SHII JIYAKOBUSU ; JACOBS IRWIN C

Inventor(s): IRWIN C JACOBS

Agent(s): GRIFFITH HACK; MACRAE AND CO

Designated states: AT BE CH DE ES FR GB GR IT LI LU NL SE

6) Family number: 32367567 (US2006065396A)

© PatBase

Title: COMPOSITIONS CONTAINING WATER CONTROL TREATMENTS AND FORMATION DAMAGE CONTROL ADDITIVES, AND METHODS FOR THEIR USE

Abstract: Source: US2006065396A The present invention relates to compositions of aqueous compositions comprising relative permeability modifier (RPM) macromolecules and one or more formation damage control additives, for use in treating hydrocarbon-producing wells, formations, and equipment, as well as methods for the use of such compositions. Such compositions, comprising the RPM macromolecule and the one or more formation damage control additive, such as a scale control agent, can result in the formation of a composition wherein the components exhibit a "synergistic" effect, whereby the ability of the formation damage control additive to prevent formation damage is enhanced relative to the use of the same additive separately.

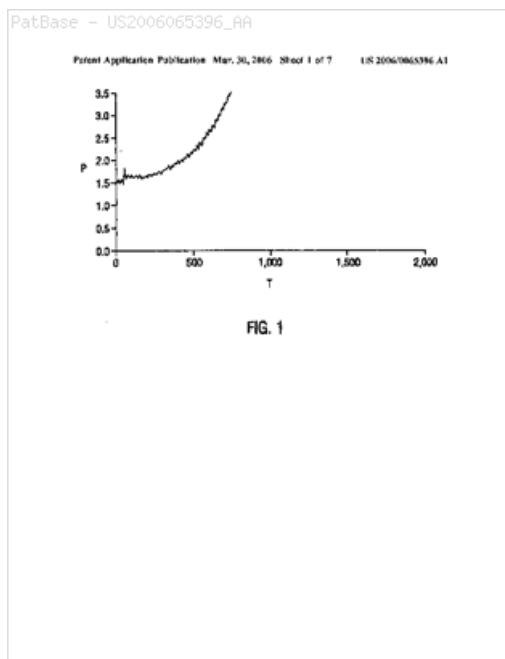
Classifications:

International (ipc 8-9): C09K8/508 C09K8/512 C09K8/52 C09K8/54 C09K8/88 E21B33/138 E21B43/22 E21B43/25 (Advanced/Invention); C09K8/50 C09K8/52 E21B33/138 E21B43/16 E21B43/25 (Core/Invention); E21B (Subclass/Invention)

CPC: C09K8/508 C09K8/512 C09K8/52 C09K2208/22 E21B33/138 E21B43/25

European: C09K8/508 C09K8/512 C09K8/52 E21B33/138 E21B43/25 M09K208/22

US: 166/279 166/294 166/294S 166/295 166/295S 166/305.1 166/305.100S 507/233 507/233S 507/237 507/237S 507/277 507/277S



Family:

Publication number	Publication date	Application number	Application date
CA2515865 AA	20060213	CA20052515865	20050812
GB200516698 A0	20050921	GB20050016698	20050815
GB2417044 A1	20060215	GB20050016698	20050815
GB2417044 B2	20080702	GB20050016698	20050815
NO20053836 A	20060214	NO20050003836	20050815

NO20053836 A0	20050815	NO20050003836	20050815
US2006065396 AA	20060330	US20050199378	20050809

Priority:

CA20052515865 20050812 US20040601466P 20040813 US20050199378 20050809
US20040601466P 20040813

Probable Assignee: BAKER HUGHES INC

Assignee(s): (std): BJ SERVICES CO ; BJ SERVICES CORP ; DAWSON JEFFREY C ; KALFAYAN LEONARD J ; JAVORA PAUL H ; VORDERBRUGGEN MARK ; KIRK JOSEPH W ; QU QI

Assignee(s): BSA ACQUISITION LLC ; BJ SERVICES CO LLC ; BJ SERVICES COMPANY ; BAKER HUGHES INC

Inventor(s): (std): JAVORA PAUL H ; DAWSON JEFFREY C ; KALFAYAN LEONARD J ; KIRK JOSEPH W ; QU QI ; VORDERBRUGGEN MARK ; VORDERBRUGGEN MARK A

Inventor(s): DAWSON JEFFREY ; LEONARD J KALFAYAN ; MARK A VORDERBRUGGEN ; PAUL H JAVORA ; QI QU ; KIRK JOSEPH ; JAVORA PAUL ; JEFFREY C DAWSON ; JOSEPH W KIRK ; KALFAYAN LEONARD

Agent(s): BERESKIN AND PARR LLP SENCRL SRL; JONES AND SMITH LLP

7) Family number: 30390553 (US2004152602A)

© PatBase

Title: CROSSLINKING DELAYING AGENTS FOR ACID FLUIDS

Abstract: Source: US2004152602A Fluids comprising an aqueous acid, synthetic polymer, metal crosslinking agent and lactic acid or a salt thereof have particular applicability in fracturing subterranean formations of an oil or gas well. The lactic acid acts as a delaying agent. As a result, crosslinking of the synthetic polymer and metal crosslinking agent typically occurs at a temperature of 100 degrees Fahrenheit or higher.

Classifications:

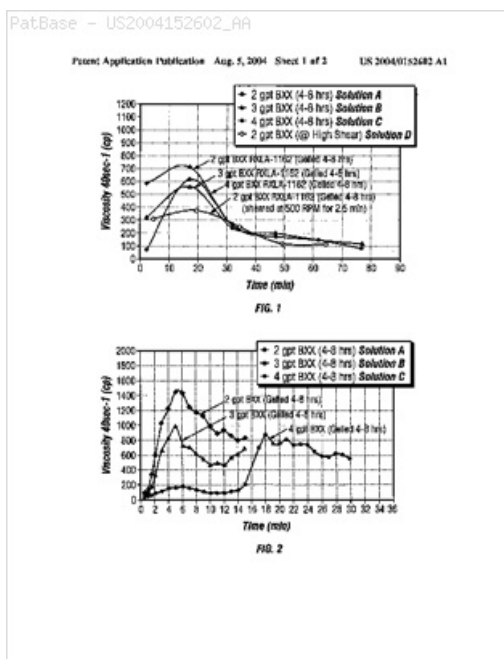
International (ipc 8-9): C09K8/58 C09K8/588 C09K8/60 C09K8/72 C09K8/74 E21B33/138 E21B43/22 E21B43/26

E21B43/27 (Advanced/Invention)

International (ipc 1-7): C09K7/02 E21B33/138 E21B43/26 E21B43/27

CPC: C09K8/74 C09K8/882 C09K8/887

US: 166/270 166/271 166/307 507/100 507/100P 507/120 507/225 507/260



Family:

Publication number	Publication date	Application number	Application date
CA2455249 AA	20040717	CA20042455249	20040115
GB200400878 A0	20040218	GB20040000878	20040115
GB2399362 A1	20040915	GB20040000878	20040115
GB2399362 B2	20050202	GB20040000878	20040115
NO20040199 A	20040719	NO20040000199	20040116
US2004152602 AA	20040805	US20040758410	20040115
US7205264 BB	20070417	US20040758410	20040115

Priority:

CA20042455249 20040115 US20030440818P 20030117 US20040758410 20040115

Probable Assignee: BAKER HUGHES INC

Assignee(s): (std): BJ SERVICES CO

Assignee(s): BJ SERVICES CO LLC ; BJ SERVICES COMPANY ; BOLES JOEL LYNN ; BSA ACQUISITION LLC ; BAKER HUGHES INC

Inventor(s): (std): BOLES JOEL LYNN

Inventor(s): JOEL LYNN BOLES

Agent(s): BERESKIN AND PARR; JOHN WILSON; JONES AND SMITH LLP

8) Family number: 32661112 (US2006046938A)

© PatBase

Title: METHODS AND COMPOSITIONS FOR DELINKING CROSSLINKED FLUIDS

Abstract: Source: US2006046938A One embodiment of the present invention provides a method of treating a subterranean formation comprising introducing to a portion of a subterranean formation a slurry comprising a solid, particulate chelating

agent substantially coated with a degradable material and a viscosified treatment fluid comprising a crosslinked gelling agent, allowing the degradable material to degrade and release the chelating agent into the viscosified treatment fluid; and, allowing the released chelating agent to delink at least a portion of the crosslinked gelling agent. Another embodiment provides a delinker for use in a viscosified treatment fluid comprising a crosslinked gelling agent, comprising a particulate chelating agent substantially coated with a degradable material wherein the degradable material is capable of degrading to release the chelating agent and wherein the released chelating agent is then capable of delinking at least a portion of the crosslinked gelling agent.

Classifications:

International (IPC 8-9): C09K8/60 E21B43/00 (Advanced/Invention);

C09K8/60 E21B43/00 (Core/Invention)

CPC: C09K8/685 C09K8/706

European: C09K8/68B C09K8/70E

US: 507/219

Family:

Publication number	Publication date	Application number	Application date
US2006046938 AA	20060302	US20040932749	20040902

Priority:

US20040932749 20040902

Probable Assignee: HALLIBURTON ENERGY SERVICES INC

Assignee(s): (std): HARRIS PHILIP C ; SAINI RAJESH K ; TODD BRADLEY L

Assignee(s): HALLIBURTON ENERGY SERVICES INC

Inventor(s): (std): HARRIS PHILIP C ; SAINI RAJESH K ; TODD BRADLEY L

Inventor(s): HARRIS PHILIP ; TODD BRADLEY ; SAINI RAJESH

Agent(s): ROBERT A KENT HALLIBURTON ENERGY SERVICES

9) Family number: 41882815 (US2008128131A)

© PatBase

Title: METHODS FOR ENHANCING FRACTURE CONDUCTIVITY IN SUBTERRANEAN FORMATIONS

Abstract: Source: US2008128131A Methods of enhancing the conductivity of fractures in subterranean formations are provided. In one embodiment, the methods comprise: providing a propped fracture in a subterranean formation wherein a plurality of proppant particulates reside in at least a portion of the fracture; providing a displacement fluid; introducing the displacement fluid into the propped fracture in the subterranean formation at a rate equal to or greater than the matrix rate of the subterranean formation but less than the rate sufficient to form or enhance a fracture in the subterranean formation; and forming at least one channel in the propped fracture.

Classifications:

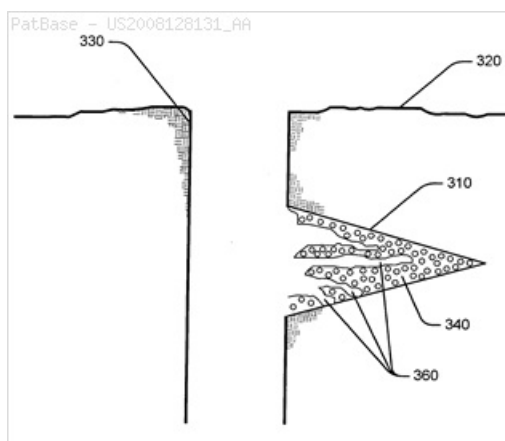
International (IPC 8-9): E21B43/26 E21B43/267 (Advanced/Invention);

E21B43/25 (Core/Invention)

CPC: E21B43/267

European: E21B43/267

US: 166/276 166/280.1 166/280.2 166/280.200P 166/281 166/295



Family:

Publication number	Publication date	Application number	Application date
US2008128131 AA	20080605	US20060633889	20061205
US8082994 BB	20111227	US20060633889	20061205

Priority:

US20060633889 20061205

Probable Assignee: HALLIBURTON ENERGY SERVICES INC

Assignee(s): (std): BRYANT JASON ; HALLIBURTON ENERGY SERV INC ; NGUYEN PHILIP D ; RICKMAN RICHARD D ; WEAVER JIMMIE D

Assignee(s): HALLIBURTON ENERGY SERVICES INC

Inventor(s): (std): BRYANT JASON ; NGUYEN PHILIP D ; RICKMAN RICHARD D ; WEAVER JIMMIE D

Agent(s): ROBERT A KENT; MCDERMOTT WILL AND EMERY LLP; ROBERT A

10) Family number: 42512032 (US2009075844A)

© PatBase

Title: METHOD AND COMPOSITION FOR CONTROLLING INORGANIC FLUORIDE SCALES

Abstract: Source: US2009075844A The productivity of hydrocarbons from hydrocarbon-bearing calcareous or siliceous formations is enhanced by contacting the formation with a well treatment composition which contains a hydrofluoric acid source, a boron containing compound and a phosphonate acid, ester or salt thereof.

Classifications:

International (IPC 8-9): C09K8/52 C09K8/528 C09K8/72 C09K8/74 C09K8/78 E21B37/06 E21B43/16 E21B43/25

E21B43/27 (Advanced/Invention);

C09K8/52 C09K8/60 E21B37/00 E21B43/25 (Core/Invention)
CPC: C09K8/78 Y10S507/933 C09K8/72 C09K8/74 C09K8/528 C09K2208/12
European: C09K8/528 C09K8/72 C09K8/74 C09K8/78
US: 166/305.1 166/305.100P 166/307 166/312 507/237 507/90 507/933

Family:

Publication number	Publication date	Application number	Application date
AR091560 AA	20150211	AR2013P102247	20130625
CA2877138 AA	20141217	CA20132877138	20130626
EP2864585 A2	20150429	EP20130810249	20130626
EP2864585 A4	20160420	EP20130810249	20130626
GB200816828 A0	20081022	GB20080016828	20080915
GB2453630 A1	20090415	GB20080016828	20080915
IN10957DN2014 A	20150918	IN2014DN10957	20141222
NO20083939 A	20090319	NO20080003939	20080916
US2009075844 AA	20090319	US20070901578	20070918
US2010314116 AA	20101216	US20100861390	20100823
US2012325485 AA	20121227	US20120533031	20120626
US7781381 BB	20100824	US20070901578	20070918
US8211836 BB	20120703	US20100861390	20100823
WO14004697 A2	20140103	WO2013US47938	20130626
WO14004697 A3	20150402	WO2013US47938	20130626

Priority:

US20070901578 20070918 US20100861390 20100823 US20120533031 20120626
WO2013US47938 20130626

Probable Assignee: BAKER HUGHES INC

Assignee(s): (std): BAKER HUGHES INC ; BAKER HUGHES INCOPRORATED ; QU QI ; KE MINGJIE ; GOMAA AHMED MOHAMED MOHAMED ; BJ SERVICES CO ; BJ SERVICES CO LLC

Assignee(s): BSA ACQUISITION LLC ; GOMAA AHMED M ; BAKER HUGHES INCOPRORATED2100 - 2929 ALLEN PARKWAYHOUSTONTX77019-2118US

Inventor(s): (std): AHMED MOHAMED MOHAMED GOMAA ; GOMAA AHMED M ; GOMAA AHMED MOHAMED MOHAMED ; KE MINGJIE ; QI QU ; QU QI

Inventor(s): QU QIUS ; MINGJIE KE ; GOMAA AHMED MUS

Agent(s): BERESKIN AND PARR LLP SENCRL SRL; HOFFMANN BENJAMIN; JONES AND SMITH LLP; JOHN WILSON JONES JONES AND SMITH LLP; JOHN WILSON; JONES JOHN WILSON

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW