PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2960102

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TEXAS UNITED CHEMICAL COMPANY, LLC	07/18/2014

RECEIVING PARTY DATA

Name:	TUCC TECHNOLOGY, LLC
Street Address:	4800 SAN FELIPE
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77056

PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	13739979
Application Number:	13464593
Application Number:	13759996
Application Number:	13774859

CORRESPONDENCE DATA

Fax Number: (713)658-2553

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 713-658-1818
Email: houstonpatmail@chamberlainlaw.com
Correspondent Name: COLLIN A. ROSE
Address Line 1: 1200 SMITH ST., 14TH FLOOR
Address Line 2: CHAMBERLAIN HRDLICKA
Address Line 4: HOUSTON, TEXAS 77002

NAME OF SUBMITTER:	JESSICA GREENEY, IP PARALEGAL
SIGNATURE:	/Jessica Greeney/
DATE SIGNED:	07/30/2014

Total Attachments: 35
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ASSIGNMENT

For good and valuable consideration given to **TEXAS UNITED CHEMICAL COMPANY, LLC**, a limited liability company, by **TUCC TECHNOLOGY, LLC**, a limited liability company, the receipt and sufficiency of which are hereby acknowledged, **TEXAS UNITED CHEMICAL COMPANY, LLC** ("ASSIGNOR"), does hereby assign, sell, grant and convey to said **TUCC TECHNOLOGY, LLC** ("ASSIGNEE"), its successors and assigns, Assignor's entire right, title and interest throughout the world in and to:

All INVENTIONS listed in Exhibit A;

All applications for patent or like protection on the INVENTIONS listed in Exhibit A that have now been or may in the future be made by Assignor or its successors or assigns, whether in the United States of America or any other place anywhere in the world, including any continuation, continuation-in-part, and any other utility applications;

All patents and like protection that have now been or may in the future be granted on the INVENTIONS to Assignor or its successors or assigns, whether in the United States of America or in any other country or place anywhere in the world;

All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitation, those obtained or permissible under past, present and future laws and statutes;

All rights of action on account of past, present and future unauthorized use of the INVENTIONS and for infringement of the patents and like protection on the INVENTIONS anywhere in the world;

The right in ASSIGNEE to file in its name applications for patents and like protection for the INVENTIONS in any country or countries in the world; and

All rights of priority associated with the INVENTIONS, applications, patents and like protection on the INVENTIONS anywhere in the world.

ASSIGNOR covenants that its successors and assigns, will, at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment. Further, ASSIGNOR warrants that the INVENTIONS are not encumbered by another assignment or obligation of assignment to a third-party and that ASSIGNOR has the full ability and authority to assign and encumber the INVENTIONS.

EXECUTED at Houston, Texas on the date indicated below, opposite my signature.

ASSIGNOR: **TEXAS UNITED CHEMICAL COMPANY, LLC**

By: _____ Date: July 18, 2014
Name: **JAMES W. DOBSON, JR.**
Title: President and CEO TH

THE STATE OF TEXAS §
§
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared **JAMES W. DOBSON, JR.**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same, in his official capacity as President and CEO of Texas United Chemical Company, LLC, for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 18th day of July, 2014.

_____
Notary Public in and for the State of Texas
My Commission Expires: 6/26/2017

[SEAL]

MARION STRICKLAND
NOTARY PUBLIC
State of Texas
Comm. Exp, 06-26-2017

EXECUTED at Houston, Texas on the date indicated below, opposite my signature.

ASSIGNEE: **TUCC TECHNOLOGY, LLC**

By: _____ Date: July 18, 2014
Name: **JAMES W. DOBSON, JR.**
Title: President and CEO

THE STATE OF TEXAS §
§
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared **JAMES W. DOBSON, JR.**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same, in his official capacity as President and CEO of TUCC Technology, LLC, for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 18th day of July, 2014.

_____
Notary Public in and for the State of Texas
My Commission Expires: 6/26/2017

MARION STRICKLAND
NOTARY PUBLIC
State of Texas
Comm. Exp, 06-26-2017

EXHIBIT A

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-001100US	US	Polysaccharide Containing Fluids Having Enhanced Thermal Stability	Issued	Dec 14, 1993	08165904	May 7, 1996	5514644
970253-001101AU	AU	Polysaccharide Containing Fluids Having Enhanced Thermal Stability	Issued	Dec 9, 1994	8032594	Apr 9, 1998	684567
970253-001102CA	CA	Polysaccharide Containing Fluids Having Enhanced Thermal Stability	Issued	Nov 4, 1994	2135087	Nov 29, 2005	2135087
970253-001103EP	EP	Polysaccharide Containing Fluids Having Enhanced Thermal Stability	Issued	Dec 13, 1994	943092833	May 26, 1999	0658612
970253-001104NO	NO	Polysaccharide Containing Fluids Having Enhanced Thermal Stability	Issued	Dec 12, 1994	19944798	Nov 3, 2003	315859
970253-001105VE	VE	Polysaccharide Containing Fluids Having Enhanced Thermal Stability	Issued	Oct 24, 1994	1994001621	Oct 24, 1994	56.648
970253-001106DE	DE	Polysaccharide Containing Fluids Having Enhanced Thermal Stability	Issued	Dec 13, 1994	943092833	May 26, 1999	69418682.1
970253-001107DK	DK	Polysaccharide Containing Fluids Having Enhanced Thermal Stability	Issued	Dec 13, 1994	943092833	May 26, 1999	0658612
970253-001108FR	FR	Polysaccharide Containing Fluids Having Enhanced Thermal Stability	Issued	Dec 13, 1994	943092833	May 26, 1999	0658612
970253-001109GB	GB	Polysaccharide Containing Fluids Having Enhanced Thermal Stability	Issued	Dec 13, 1994	943092833	May 26, 1999	0658612
970253-001110IT	IT	Polysaccharide Containing Fluids Having Enhanced Thermal Stability	Issued	Dec 13, 1994	943092833	May 26, 1999	0658612
970253-001111NL	NL	Polysaccharide Containing Fluids Having Enhanced Thermal Stability	Issued	Dec 13, 1994	943092833	May 26, 1999	0658612

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-001200US	US	Well Drilling And Servicing Fluids Which Deposit An Easily Removable Filter Cake	Issued	Mar 15, 1994	08212814	Mar 4, 1997	5607905
970253-001201AU	AU	Well Drilling And Servicing Fluids Which Deposit An Easily Removable Filter Cake	Issued	Mar 9, 1995	1472295	Aug 20, 1998	689842
970253-001202CA	CA	Well Drilling And Servicing Fluids Which Deposit An Easily Removable Filter Cake	Issued	Jan 23, 1995	2140845	Oct 25, 2005	2140845
970253-001203EP	EP	Well Drilling And Servicing Fluids Which Deposit An Easily Removable Filter Cake	Issued	Mar 14, 1995	953016607	May 31, 2000	0672740
970253-001204MX	MX	Well Drilling And Servicing Fluids Which Deposit An Easily Removable Filter Cake	Issued	Feb 15, 1995	950937	Nov 12, 1999	194058
970253-001205NO	NO	Well Drilling And Servicing Fluids Which Deposit An Easily Removable Filter Cake	Issued	Mar 13, 1995	19950946	Jun 18, 2001	310314
970253-001206VE	VE	Well Drilling And Servicing Fluids Which Deposit An Easily Removable Filter Cake	Issued	Oct 24, 1994	941620	Jun 12, 1998	56647
970253-001208DK	DK	Well Drilling And Servicing Fluids Which Deposit An Easily Removable Filter Cake	Issued	Mar 14, 1995	953016607	May 31, 2000	0672740
970253-001209FR	FR	Well Drilling And Servicing Fluids Which Deposit An Easily Removable Filter Cake	Issued	Mar 14, 1995	953016607	May 31, 2000	0672740
970253-001210GB	GB	Well Drilling And Servicing Fluids Which Deposit An Easily Removable Filter Cake	Issued	Mar 14, 1995	953016607	May 31, 2000	0672740

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-001211IT	IT	Well Drilling And Servicing Fluids Which Deposit An Easily Removable Filter Cake	Issued	Mar 14, 1995	953016607	May 31, 2000	0672740
970253-001212NL	NL	Well Drilling And Servicing Fluids Which Deposit An Easily Removable Filter Cake	Issued	Mar 14, 1995	953016607	May 31, 2000	0672740
970253-001300US	US	Methods Of Reducing Fluid Loss And Polymer Concentration Of Well Drilling And Servicing Fluids	Issued	Mar 25, 1994	08217726	May 13, 1997	5629271
970253-001301AU	AU	Methods Of Reducing Fluid Loss And Polymer Concentration Of Well Drilling And Servicing Fluids	Issued	Mar 9, 1995	1472395	Jan 21, 1999	697559
970253-001302CA	CA	Methods Of Reducing Fluid Loss And Polymer Concentration Of Well Drilling And Servicing Fluids	Issued	Jan 25, 1995	2141078	Dec 6, 2005	2141078
970253-001303NO	NO	Methods Of Reducing Fluid Loss And Polymer Concentration Of Well Drilling And Servicing Fluids	Issued	Mar 23, 1995	19951106	Mar 14, 2005	318370
970253-001304VE	VE	Methods Of Reducing Fluid Loss And Polymer Concentration Of Well Drilling And Servicing Fluids	Issued	Mar 22, 1995	1995000432	Mar 22, 1995	57.604
970253-001305AU	AU	Methods Of Reducing Fluid Loss And Polymer Concentration Of Well Drilling And Servicing Fluids	Issued	Mar 9, 1995	4932197	May 25, 2000	715752
970253-001400US	US	Low Solids, High Density Fluids For Well Drilling	Issued	Feb 10, 1995	08386443	Apr 1, 1997	5616541

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-001401US	US	Control Of The Fluid Loss Of Well Drilling And Servicing Fluids	Issued	Aug 8, 1995	08512676	Jun 24, 1997	5641728
970253-001402US	US	Brine Fluids Having Improved Rheological Characteristics	Issued	Aug 25, 1995	08512675	Mar 17, 1998	5728652
970253-001403AR	AR	Low Solids, High Density Fluids For Well Drilling	Issued	Feb 2, 1996	1262	Dec 12, 2003	AR000863B1
970253-001404AU	AU	Low Solids, High Density Fluids For Well Drilling	Issued	Jan 23, 1996	4214896	Apr 1, 1999	699954
970253-001405CA	CA	Low Solids, High Density Fluids For Well Drilling	Issued	Jan 11, 1996	2167003	Oct 21, 2008	2167003
970253-001406EP	EP	Low Solids, High Density Fluids For Well Drilling	Issued	Feb 9, 1996	963009030	Apr 26, 2000	0726302
970253-001407NO	NO	Low Solids, High Density Fluids For Well Drilling	Issued	Feb 7, 1996	19960500	Mar 21, 2005	318429
970253-001408VE	VE	Low Solids, High Density Fluids For Well Drilling	Issued	Jan 3, 1996	960014	Jan 3, 1996	57363
970253-001409AR	AR	Control Of The Fluid Loss Of Well Drilling And Servicing Fluids	Issued	Aug 5, 1996	3889	Jul 7, 2003	AR003197B1
970253-001410AU	AU	Control Of The Fluid Loss Of Well Drilling And Servicing Fluids	Issued	Jun 12, 1996	5594596	Mar 30, 2000	713951
970253-001411CA	CA	Control Of The Fluid Loss Of Well Drilling And Servicing Fluids	Issued	Jun 11, 1996	2178766	Oct 14, 2008	2178766
970253-001412EP	EP	Method Of Reducing Fluid Loss Of Well Drilling And Servicing Fluids	Issued	Jul 23, 1996	963054051	Nov 21, 2001	0758011
970253-001413NO	NO	Control Of The Fluid Loss Of Well Drilling And Servicing Fluids	Issued	Aug 7, 1996	19963295	Dec 4, 2006	322730

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-001414VE	VE	Control Of The Fluid Loss Of Well Drilling And Servicing Fluids	Issued	Aug 5, 1996	1996001382	Aug 5, 1996	1382/96
970253-001415AR	AR	Brine Fluids Having Improved Rheological Characteristics	Issued	Aug 21, 1996	4064	Mar 28, 2003	AR003318B1
970253-001416AU	AU	Brine Fluids Having Improved Rheological Charactersitics	Issued	Jun 12, 1996	5594696	May 13, 1999	701372
970253-001417CA	CA	Brine Fluids Having Improved Rheological Characteristics	Issued	Jun 11, 1996	2178767	Sep 2, 2008	2178767
970253-001418EP	EP	Brine Fluids Having Improved Rheological Characteristics	Issued	Jul 23, 1996	963054044	Dec 5, 2001	0786507
970253-001420VE	VE	Brine Fluids Having Improved Rheological Characteristics	Issued	Jul 31, 1996	1996001362	Feb 25, 2000	1362/96
970253-001421AR	AR	Stabilized Fluids Containing Soluble Zinc	Issued	Nov 28, 1997	5609	Feb 11, 2004	AR010742B1
970253-001422US	US	Stabilized Fluids Containing Soluble Zinc	Issued	Dec 2, 1996	08758496	Mar 17, 1998	5728654
970253-001423AU	AU	Stabilized Fluids Containing Soluble Zinc	Issued	Oct 1, 1997	3988297	Nov 30, 2000	723115
970253-001424CA	CA	Stabilized Fluids Containing Soluble Zinc	Issued	Oct 14, 1997	2218214	May 1, 2007	2218214
970253-001425EP	EP	Stabilized Fluids Containing Soluble Zinc	Issued	Nov 6, 1997	973089154	May 29, 2002	0845520
970253-001426NO	NO	Stabilized Fluids Containing Soluble Zinc	Issued	Nov 28, 1997	19975494	Dec 18, 2006	322883
970253-001428DK	DK	Low Solids, High Density Fluids For Well Drilling	Issued	Feb 9, 1996	963009030	Apr 26, 2000	0726302

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-001429FR	FR	Low Solids, High Density Fluids For Well Drilling	Issued	Feb 9, 1996	963009030	Apr 26, 2000	0726302
970253-001430GB	GB	Low Solids, High Density Fluids For Well Drilling	Issued	Feb 9, 1996	963009030	Apr 26, 2000	0726302
970253-001431IT	IT	Low Solids, High Density Fluids For Well Drilling	Issued	Feb 9, 1996	963009030	Apr 26, 2000	0726302
970253-001432NL	NL	Low Solids, High Density Fluids For Well Drilling	Issued	Feb 9, 1996	963009030	Apr 26, 2000	0726302
970253-001434DK	DK	Method Of Reducing Fluid Loss Of Well Drilling And Servicing Fluids	Issued	Jul 23, 1996	963054051	Nov 21, 2001	0758011
970253-001435FR	FR	Method Of Reducing Fluid Loss Of Well Drilling And Servicing Fluids	Issued	Jul 23, 1996	963054051	Nov 21, 2001	0758011
970253-001436GB	GB	Method Of Reducing Fluid Loss Of Well Drilling And Servicing Fluids	Issued	Jul 23, 1996	963054051	Nov 21, 2001	0758011
970253-001437IT	IT	Method Of Reducing Fluid Loss Of Well Drilling And Servicing Fluids	Issued	Jul 23, 1996	963054051	Nov 21, 2001	0758011
970253-001438NL	NL	Method Of Reducing Fluid Loss Of Well Drilling And Servicing Fluids	Issued	Jul 23, 1996	963054051	Nov 21, 2001	0758011
970253-001439DE	DE	Brine Fluids Having Improved Rheological Characteristics	Issued	Jul 23, 1996	963054044	Dec 5, 2001	69617623.8
970253-001440DK	DK	Brine Fluids Having Improved Rheological Characteristics	Issued	Jul 23, 1996	963054044	Dec 5, 2001	0786507
970253-001441FR	FR	Brine Fluids Having Improved Rheological Characteristics	Issued	Jul 23, 1996	963054044	Dec 5, 2001	0786507

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-001442GB	GB	Brine Fluids Having Improved Rheological Characteristics	Issued	Jul 23, 1996	963054044	Dec 5, 2001	0786507
970253-001443IT	IT	Brine Fluids Having Improved Rheological Characteristics	Issued	Jul 23, 1996	963054044	Dec 5, 2001	0786507
970253-001444NL	NL	Brine Fluids Having Improved Rheological Characteristics	Issued	Jul 23, 1996	963054044	Dec 5, 2001	0786507
970253-001445DE	DE	Stabilized Fluids Containing Soluble Zinc	Issued	Nov 6, 1997	973089154	May 29, 2002	69712855.5
970253-001446DK	DK	Stabilized Fluids Containing Soluble Zinc	Issued	Nov 6, 1997	973089154	May 29, 2002	0845520
970253-001447FR	FR	Stabilized Fluids Containing Soluble Zinc	Issued	Nov 6, 1997	973089154	May 29, 2002	0845520
970253-001448GB	GB	Stabilized Fluids Containing Soluble Zinc	Issued	Nov 6, 1997	973089154	May 29, 2002	0845520
970253-001450NL	NL	Stabilized Fluids Containing Soluble Zinc	Issued	Nov 6, 1997	973089154	May 29, 2002	0845520
970253-001600US	US	Process To Enhance Removal Of Adhering Solids From The Surface Of Wellbores And Sand Control Devices Therein	Issued	Mar 6, 1997	08810822	Jul 21, 1998	5783526
970253-001601AR	AR	Process To Enhance Removal Of Adhering Solids From The Surface Of Wellbores And Sand Control Devices Therein	Issued	Mar 5, 1998	991	Mar 18, 2005	AR011455B1
970253-001602AU	AU	Process To Enhance Removal Of Adhering Solids From The Surface Of Wellbores And Sand Control Devices Therein	Issued	Feb 17, 1998	5535398	Aug 30, 2001	733450

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-001603CA	CA	Process To Enhance Removal Of Adhering Solids From The Surface Of Wellbores And Sand Control Devices Therein	Issued	Feb 25, 1998	2230508	Apr 4, 2006	2230508
970253-001605DK	DK	Process To Enhance Removal Of Adhering Solids From The Surface Of Wellbores And Sand Control Devices Therein	Issued	Mar 4, 1998	983016056	Jan 28, 2004	0875660
970253-001606EP	EP	Process To Enhance Removal Of Adhering Solids From The Surface Of Wellbores And Sand Control Devices Therein	Issued	Mar 4, 1998	983016056	Jan 28, 2004	0875660
970253-001607FR	FR	Process To Enhance Removal Of Adhering Solids From The Surface Of Wellbores And Sand Control Devices Therein	Issued	Mar 4, 1998	983016056	Jan 28, 2004	0875660
970253-001608GB	GB	Process To Enhance Removal Of Adhering Solids From The Surface Of Wellbores And Sand Control Devices Therein	Issued	Mar 4, 1998	983016056	Jan 28, 2004	0875660
970253-001609IT	IT	Process To Enhance Removal Of Adhering Solids From The Surface Of Wellbores And Sand Control Devices Therein	Issued	Mar 4, 1998	983016056	Jan 28, 2004	0875660
970253-001610NL	NL	Process To Enhance Removal Of Adhering Solids From The Surface Of Wellbores And Sand Control Devices Therein	Issued	Mar 4, 1998	983016056	Jan 28, 2004	0875660

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-001611NO	NO	Process To Enhance Removal Of Adhering Solids From The Surface Of Wellbores And Sand Control Devices Therein	Issued	Mar 4, 1998	19980925	Jan 25, 2010	328286
970253-001700US	US	Well Drilling And Servicing Fluids And Methods Of Increasing The Low Shear Rate Viscosity Thereof	Issued	Jun 9, 1997	08871389	Sep 8, 1998	5804535
970253-001701AR	AR	Well Drilling And Servicing Fluids And Methods Of Increasing The Low Shear Rate Viscosity Thereof	Issued	Jun 5, 1998	2695	Oct 30, 2006	AR012940B1
970253-001702AU	AU	Well Drilling And Servicing Fluids And Methods Of Increasing The Low Shear Rate Viscosity Thereof	Issued	May 8, 1998	6480998	Nov 8, 2001	736402
970253-001703CA	CA	Well Drilling And Servicing Fluids And Methods Of Increasing The Low Shear Rate Viscosity Thereof	Issued	Jun 3, 1998	2239585	Aug 26, 2008	2239585
970253-001704DE	DE	Well Drilling And Servicing Fluids And Methods Of Increasing The Low Shear Rate Viscosity Thereof	Issued	Jun 8, 1998	983045063	Sep 17, 2003	69818148.4
970253-001705DK	DK	Well Drilling And Servicing Fluids And Methods Of Increasing The Low Shear Rate Viscosity Thereof	Issued	Jun 8, 1998	983045063	Sep 17, 2003	0884369
970253-001706EP	EP	Well Drilling And Servicing Fluids And Methods Of Increasing The Low Shear Rate Viscosity Thereof	Issued	Jun 8, 1998	983045063	Sep 17, 2003	0884369
970253-001707FR	FR	Well Drilling And Servicing Fluids And Methods Of Increasing The Low Shear Rate	Issued	Jun 8, 1998	983045063	Sep 17, 2003	0884369

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
		Viscosity Thereof					
970253-001708GB	GB	Well Drilling And Servicing Fluids And Methods Of Increasing The Low Shear Rate Viscosity Thereof	Issued	Jun 8, 1998	983045063	Sep 17, 2003	0884369
970253-001709IT	IT	Well Drilling And Servicing Fluids And Methods Of Increasing The Low Shear Rate Viscosity Thereof	Issued	Jun 8, 1998	983045063	Sep 17, 2003	0884369
970253-001710NL	NL	Well Drilling And Servicing Fluids And Methods Of Increasing The Low Shear Rate Viscosity Thereof	Issued	Jun 8, 1998	983045063	Sep 17, 2003	0884369
970253-001711NO	NO	Well Drilling And Servicing Fluids And Methods Of Increasing The Low Shear Rate Viscosity Thereof	Issued	Jun 8, 1998	19982638	Feb 23, 2009	326820
970253-001712VE	VE	Well Drilling And Servicing Fluids And Methods Of Increasing The Low Shear Rate Viscosity Thereof	Issued	Jun 5, 1998	1998001199	Jun 5, 1998	59.218
970253-001800US	US	Glycol Solution Drilling System	Issued	Nov 20, 1997	08975118	Aug 15, 2000	6103671
970253-001801AR	AR	Glycol Solution Drilling System	Issued	Nov 18, 1998	P980105849	Jan 25, 2005	AR017412B1
970253-001802AU	AU	Glycol Solution Drilling System	Issued	Nov 4, 1998	9134098	Dec 13, 2001	737805
970253-001803CA	CA	Glycol Solution Drilling System	Issued	Oct 28, 1998	2252161	Sep 29, 2009	2252161

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-001804DE	DE	Glycol Solution Drilling System	Issued	Nov 19, 1998	983094954	Mar 3, 2004	69822089.7
970253-001805DK	DK	Glycol Solution Drilling System	Issued	Nov 19, 1998	983094954	Mar 3, 2004	0921171
970253-001806EP	EP	Glycol Solution Drilling System	Issued	Nov 19, 1998	983094954	Mar 3, 2004	0921171
970253-001807NO	NO	Glycol Solution Drilling System	Issued	Nov 19, 1998	19985396	Nov 2, 2009	327979
970253-001808FR	FR	Glycol Solution Drilling System	Issued	Nov 19, 1998	983094954	Mar 3, 2004	0921171
970253-001809GB	GB	Glycol Solution Drilling System	Issued	Nov 19, 1998	983094954	Mar 3, 2004	0921171
970253-001810IT	IT	Glycol Solution Drilling System	Issued	Nov 19, 1998	983094954	Mar 3, 2004	0921171
970253-001811NL	NL	Glycol Solution Drilling System	Issued	Nov 19, 1998	983094954	Mar 3, 2004	0921171
970253-002000US	US	Invert Emulsion Well Drilling And Servicing Fluids	Issued	May 11, 1998	09076061	Aug 24, 1999	5942468
970253-002001AR	AR	Invert Emulsion Well Drilling And Servicin Fluids	Issued	May 7, 1999	2153	Jun 29, 2006	AR015077B1
970253-002002AU	AU	Invert Emulsion Well Drilling And Servicin Fluids	Issued	May 10, 1999	2803899	Oct 10, 2002	749148
970253-002003CA	CA	Invert Emulsion Well Drilling And Servicing Fluids	Issued	May 6, 1999	2271286	Apr 7, 2009	2271286
970253-002004EP	EP	Invert Emulsion Well Drilling And Servicin Fluids	Issued	May 5, 1999	993035070	Mar 9, 2005	0957149

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-002005NO	NO	Invert Emulsion Well Drilling And Servicin Fluids	Issued	May 11, 1999	19992289	Nov 15, 2010	329578
970253-002006VE	VE	Invert Emulsion Well Drilling And Servicin Fluids	Issued	May 7, 1999	1999000851	May 7, 1999	59450
970253-002007DE	DE	Invert Emulsion Well Drilling And Servicin Fluids	Issued	May 5, 1999	993035070	Mar 9, 2005	69924050.6
970253-002008DK	DK	Invert Emulsion Well Drilling And Servicin Fluids	Issued	May 5, 1999	993035070	Mar 9, 2005	0957149
970253-002009FR	FR	Invert Emulsion Well Drilling And Servicin Fluids	Issued	May 5, 1999	993035070	Mar 9, 2005	0957149
970253-002010GB	GB	Invert Emulsion Well Drilling And Servicin Fluids	Issued	May 5, 1999	993035070	Mar 9, 2005	0957149
970253-002011IT	IT	Invert Emulsion Well Drilling And Servicin Fluids	Issued	May 5, 1999	993035070	Mar 9, 2005	0957149
970253-002012NL	NL	Invert Emulsion Well Drilling And Servicin Fluids	Issued	May 5, 1999	993035070	Mar 9, 2005	0957149
970253-002100US	US	Divalent Cation-Containing Well Drilling And Service Fluid	Issued	Aug 5, 1999	09368947	Oct 9, 2001	6300286
970253-002101AR	AR	Divalent Cation-Containing Well Drilling And Service Fluid	Issued	Aug 3, 2000	4009	May 22, 2007	AR025027B1
970253-002102AU	AU	Divalent Cation-Containing Well Drilling And Service Fluid	Issued	Aug 2, 2000	4894800	Jul 15, 2004	771831
970253-002103BR	BR	Methods, Systems, And Compositions For The Controlled Crosslinking Of Well Servicing Fluids	Issued	Jul 31, 2000	PI00129550	Sep 4, 2012	PI 0012955-0
970253-002104CA	CA	Divalent Cation-Containing Well Drilling And Service Fluid	Issued	Aug 1, 2000	2314806	Jun 8, 2010	2314806

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-002105EP	EP	Divalent Cation-Containing Well Drilling And Service Fluid	Issued	Jul 31, 2000	003066545	Mar 23, 2005	1074598
970253-002106NO	NO	Divalent Cation-Containing Well Drilling And Service Fluid	Issued	Aug 4, 2000	20003972	Jan 24, 2011	329904
970253-002107US	US	Divalent Cation-Containing Well Drilling And Service Fluids	Issued	Apr 2, 2001	09806752	May 21, 2002	6391830
970253-002108DE	DE	Divalent Cation-Containing Well Drilling And Service Fluid	Issued	Aug 4, 2000	003066545	Mar 23, 2005	60018857.4
970253-002109DK	DK	Divalent Cation-Containing Well Drilling And Service Fluid	Issued	Aug 4, 2000	003066545	Mar 23, 2005	1074598
970253-002110FR	FR	Divalent Cation-Containing Well Drilling And Service Fluid	Issued	Aug 4, 2000	003066545	Mar 23, 2005	1074598
970253-002111GB	GB	Divalent Cation-Containing Well Drilling And Service Fluid	Issued	Aug 4, 2000	003066545	Mar 23, 2005	1074598
970253-002112IT	IT	Divalent Cation-Containing Well Drilling And Service Fluid	Issued	Aug 4, 2000	003066545	Mar 23, 2005	1074598
970253-002113NL	NL	Divalent Cation-Containing Well Drilling And Service Fluid	Issued	Aug 4, 2000	003066545	Mar 23, 2005	1074598
970253-002200US	US	Method Of Decreasing The Loss Of Fluid During Workover And Completion Operations	Issued	Feb 22, 2000	09510320	Dec 4, 2001	6325149
970253-002201AR	AR	Solids-Free Viscous Fluids	Issued	Jan 17, 2001	206	Nov 26, 2007	AR027236B1
970253-002202AU	AU	Solids-Free Viscous Fluids	Issued	Feb 20, 2001	2310801	Mar 10, 2005	778085
970253-002203BR	BR	Solids-Free Viscous Fluids	Issued	Feb 21, 2001	PI01006770	Oct 29, 2013	PI0100677.0

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-002204CA	CA	Solids-Free Viscous Fluids	Issued	Feb 12, 2001	2335266	Jan 12, 2010	2335266
970253-002205EP	EP	Solids-Free Viscous Fluids	Issued	Feb 21, 2001	013015292	Apr 4, 2007	1128021
970253-002206NO	NO	Solids-Free Viscous Fluids	Issued	Feb 22, 2001	20010906	Jan 2, 2006	320627
970253-002208DK	DK	Solids-Free Viscous Fluids	Issued	Feb 21, 2001	013015292	Apr 4, 2007	1128021
970253-002209FR	FR	Solids-Free Viscous Fluids	Issued	Feb 21, 2001	013015292	Apr 4, 2007	1128021
970253-002210GB	GB	Solids-Free Viscous Fluids	Issued	Feb 21, 2001	013015292	Apr 4, 2007	1128021
970253-002211IT	IT	Solids-Free Viscous Fluids	Issued	Feb 21, 2001	013015292	Apr 4, 2007	1128021
970253-002212NL	NL	Solids-Free Viscous Fluids	Issued	Feb 21, 2001	013015292	Apr 4, 2007	1128021
970253-002300US	US	Method Of Increasing The Low Shear Rate Viscosity And Shear Thinning Index Of Divalent Cation-Containing Fluids And The Fluids Obtained Thereby	Issued	Oct 4, 2001	09970831	Jun 10, 2003	6576597
970253-002301AR	AR	Method Of Increasing The Low Shear Rate Viscosity And Shear Thinning Index Of Divalent Cation-Containing Fluids And The Fluids Obtained Thereby	Issued	Sep 24, 2002	P020103581	Jan 27, 2010	AR036614B1

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-002302AU	AU	Method Of Increasing The Low Shear Rate Viscosity And Shear Thinning Index Of Divalent Cation-Containing Fluids And The Fluids Obtained Thereby	Issued	Sep 12, 2002	2002301001	Jan 11, 2007	2002301001
970253-002303BR	BR	Method Of Increasing The Low Shear Rate Viscosity And Shear Thinning Index Of Divalent Cation-Containing Fluids And The Fluids Obtained Thereby	Issued	Oct 2, 2002	PI02040565	Dec 14, 2010	PI0204056-5
970253-002304CA	CA	Method Of Increasing The Low Shear Rate Viscosity And Shear Thinning Index Of Divalent Cation-Containing Fluids And The Fluids Obtained Thereby	Issued	Oct 3, 2002	2406784	May 11, 2010	2406784
970253-002305EP	EP	Method Of Increasing The Low Shear Rate Viscosity And Shear Thinning Index Of Divalent Cation-Containing Fluids And The Fluids Obtained Thereby	Issued	Oct 4, 2002	022569750	May 23, 2007	1300457
970253-002307NO	NO	Method Of Increasing The Low Shear Rate Viscosity And Shear Thinning Index Of Divalent Cation-Containing Fluids And The Fluids Obtained Thereby	Issued	Oct 3, 2002	20024782	Jan 24, 2011	329919
970253-002308DE	DE	Method Of Increasing The Low Shear Rate Viscosity And Shear Thinning Index Of Divalent Cation-Containing Fluids And The Fluids Obtained Thereby	Issued	Oct 4, 2002	022569750	May 23, 2007	60220228.0

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-002309DK	DK	Method Of Increasing The Low Shear Rate Viscosity And Shear Thinning Index Of Divalent Cation-Containing Fluids And The Fluids Obtained Thereby	Issued	Oct 4, 2002	022569750	May 23, 2007	1300457
970253-002310FR	FR	Method Of Increasing The Low Shear Rate Viscosity And Shear Thinning Index Of Divalent Cation-Containing Fluids And The Fluids Obtained Thereby	Issued	Oct 4, 2002	022569750	May 23, 2007	1300457
970253-002311GB	GB	Method Of Increasing The Low Shear Rate Viscosity And Shear Thinning Index Of Divalent Cation-Containing Fluids And The Fluids Obtained Thereby	Issued	Oct 4, 2002	022569750	May 23, 2007	1300457
970253-002312IT	IT	Method Of Increasing The Low Shear Rate Viscosity And Shear Thinning Index Of Divalent Cation-Containing Fluids And The Fluids Obtained Thereby	Issued	Oct 4, 2002	022569750	May 23, 2007	1300457
970253-002313NL	NL	Method Of Increasing The Low Shear Rate Viscosity And Shear Thinning Index Of Divalent Cation-Containing Fluids And The Fluids Obtained Thereby	Issued	Oct 4, 2002	022569750	May 23, 2007	1300457
970253-002401US	US	Viscous Oleaginous Fluids And Methods Of Drilling And Servicing Wells Therewith	Issued	Apr 9, 2003	10948041	Feb 17, 2009	7491681

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-002403AU	AU	Viscous Oleaginous Fluids And Methods Of Drilling And Servicing Wells Therewith	Issued	Apr 9, 2003	2003234698	Jan 8, 2009	2003234698
970253-002404BR	BR	Viscous Oleaginous Fluids And Methods Of Drilling And Servicing Wells Therewith	Pending	Apr 9, 2003	P103045242		
970253-002405CA	CA	Viscous Oleaginous Fluids And Methods Of Drilling And Servicing Wells Therewith	Issued	Apr 9, 2003	2480949	Dec 20, 2011	2480949
970253-002406EP	EP	Viscous Oleaginous Fluids And Methods Of Drilling And Servicing Wells Therewith	Issued	Apr 9, 2003	037283546	Oct 6, 2010	1499694
970253-002407NO	NO	Viscous Oleaginous Fluids And Methods Of Drilling And Servicing Wells Therewith	Issued	Apr 9, 2003	20035594	Apr 16, 2012	331827
970253-002408DE	DE	Viscous Oleaginous Fluids And Methods Of Drilling And Servicing Wells Therewith	Issued	Apr 9, 2003	037283546	Oct 6, 2010	60334451.8
970253-002409DK	DK	Viscous Oleaginous Fluids And Methods Of Drilling And Servicing Wells Therewith	Issued	Apr 9, 2003	037283546	Oct 6, 2010	1499694
970253-002410FR	FR	Viscous Oleaginous Fluids And Methods Of Drilling And Servicing Wells Therewith	Issued	Apr 9, 2003	037283546	Oct 6, 2010	1499694
970253-002411GB	GB	Viscous Oleaginous Fluids And Methods Of Drilling And Servicing Wells Therewith	Issued	Apr 9, 2003	037283546	Oct 6, 2010	1499694
970253-002412IT	IT	Viscous Oleaginous Fluids And Methods Of Drilling And Servicing Wells Therewith	Issued	Apr 9, 2003	037283546	Oct 6, 2010	1499694

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-002413NL	NL	Viscous Oleaginous Fluids And Methods Of Drilling And Servicing Wells Therewith	Issued	Apr 9, 2003	037283546	Oct 6, 2010	1499694
970253-002500US	US	Hydrophilic Polymer Concentrates	Issued	Jun 19, 2002	10175589	Oct 5, 2004	6800593
970253-002501AR	AR	Hydrophilic Polymer Concentrates	Issued	Jun 17, 2003	P030102140	Jun 30, 2010	AR039687B1
970253-002502AU	AU	Hydrophilic Polymer Concentrates	Issued	Jun 13, 2003	2003204689	Nov 21, 2008	2003204689
970253-002503BR	BR	Hydrophilic Polymer Concentrates	Issued	Jun 17, 2003	PI03016803	Sep 17, 2013	PI0301680-3
970253-002504CA	CA	Hydrophilic Polymer Concentrates	Issued	Jun 16, 2003	2432442	Jan 25, 2011	2432442
970253-002506NO	NO	Hydrophilic Polymer Concentrates	Issued	Jun 18, 2003	20032790	Jun 28, 2010	328955
970253-002507DE	DE	Hydrophilic Polymer Concentrates	Issued	Jun 17, 2003	032538134	Aug 1, 2007	60315225.2
970253-002508DK	DK	Hydrophilic Polymer Concentrates	Issued	Jun 17, 2003	032538134	Aug 1, 2007	1378554
970253-002509FR	FR	Hydrophilic Polymer Concentrates	Issued	Jun 17, 2003	032538134	Aug 1, 2007	1378554
970253-002510GB	GB	Hydrophilic Polymer Concentrates	Issued	Jun 17, 2003	032538134	Aug 1, 2007	1378554
970253-002511IT	IT	Hydrophilic Polymer Concentrates	Issued	Jun 17, 2003	032538134	Aug 1, 2007	1378554
970253-002512NL	NL	Hydrophilic Polymer Concentrates	Issued	Jun 17, 2003	032538134	Aug 1, 2007	1378554

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-002600US	US	Borate Crosslinker Suspensions With More Consistent Crosslink Times	Issued	Oct 7, 2002	10265346	Aug 30, 2005	6936575
970253-002700US	US	Crosslinked Polymer Fluids And Crosslinking Concentrates Therefor	Issued	Dec 16, 2002	10320145	Mar 28, 2006	7018956
970253-002701AR	AR	Crosslinked Polymer Fluids And Crosslinking Concentrates Therefor	Issued	Jan 22, 2003	PO30100182	Oct 29, 2009	AR038210B1
970253-002702AU	AU	Crosslinked Polymer Fluids And Crosslinking Concentrates Therefor	Issued	Jan 20, 2003	2003200186	Oct 25, 2007	2003200186
970253-002703BR	BR	Crosslinked Polymer Fluids And Crosslinking Concentrates Therefor	Pending	Jan 23, 2003	PI03001270		
970253-002704CA	CA	Crosslinked Polymer Fluids And Crosslinking Concentrates Therefor	Issued	Jan 20, 2003	2416718	Apr 12, 2011	2416718
970253-002705EP	EP	CROSSLINKED POLYMER FLUIDS AND CROSSLINKING CONCENTRATES THEREFOR	Issued	Jan 22, 2003	32503989	Nov 5, 2008	EP1331358
970253-002706NO	NO	Crosslinked Polymer Fluids And Crosslinking Concentrates Therefor	Issued	Jan 22, 2003	20030335	Jan 24, 2011	329920
970253-002707DE	DE	Crosslinked Polymer Fluids And Crosslinking Concentrates Therefor	Issued	Jan 22, 2003	032503989	Nov 5, 2008	60324485.8
970253-002708DK	DK	Crosslinked Polymer Fluids And Crosslinking Concentrates Therefor	Issued	Jan 22, 2003	032503989	Nov 5, 2008	1331358
970253-002709FR	FR	Crosslinked Polymer Fluids And Crosslinking Concentrates	Issued	Jan 22, 2003	032503989	Nov 5, 2008	1331358

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
		Therefor					
970253-002710GB	GB	Crosslinked Polymer Fluids And Crosslinking Concentrates Therefor	Issued	Jan 22, 2003	032503989	Nov 5, 2008	1331358
970253-002711IT	IT	Crosslinked Polymer Fluids And Crosslinking Concentrates Therefor	Issued	Jan 22, 2003	032503989	Nov 5, 2008	1331358
970253-002712NL	NL	Crosslinked Polymer Fluids And Crosslinking Concentrates Therefor	Issued	Jan 22, 2003	032503989	Nov 5, 2008	1331358
970253-002801US	US	Method Of Increasing The Low Shear Rate Viscosity Of Well Drilling And Servicing Fluids Containing Calcined Magnesia Bridging Solids, The Fluids And Methods Of Use	Issued	Jul 29, 2004	10901822	May 1, 2007	7211546
970253-002802AR	AR	Well Drilling And Servicing Fluids With Magnesia Bridging Solids And Methods Of Drilling, Completing And Working Over A Well Therewith	Pending	Oct 4, 2005	P050104193		
970253-002803AU	AU	Well Drilling And Servicing Fluids With Magnesia Bridging Solids And Methods Of Drilling, Completing And Working Over A Well Therewith	Issued	Oct 8, 2004	2004324079	Jan 6, 2011	2004324079

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-002804BR	BR	Well Drilling And Servicing Fluids With Magnesia Bridging Solids And Methods Of Drilling, Completing And Working Over A Well Therewith	Pending	Oct 8, 2004	PI04191960		
970253-002805CA	CA	Well Drilling And Servicing Fluids With Magnesia Bridging Solids	Issued	Oct 8, 2004	2575150	Apr 10, 2012	2575150
970253-002806EP	EP	Well Drilling And Servicing Fluids With Magnesia Bridging Solids And Methods Of Drilling, Completing And Working Over A Well Therewith	Pending	Oct 8, 2004	047945530		
970253-002807NO	NO	Well Drilling And Servicing Fluids With Magnesia Bridging Solids And Methods Of Drilling, Completing And Working Over A Well Therewith	Pending	May 7, 2007	20072341		
970253-002808VE	VE	Well Drilling And Servicing Fluids With Magnesia Bridging Solids And Methods Of Drilling, Completing And Working Over A Well Therewith	Pending	Oct 4, 2005	2005002009		
970253-002902AR	AR	Method Of Delaying The Setting Time Of Crosslinked Lost Circulation Pills	Pending	Nov 23, 2005	4899		
970253-002903AU	AU	Method Of Delaying The Setting Time Of Crosslinked Lost Circulation Pills	Issued	Nov 11, 2005	2005232293	Nov 17, 2011	2005232293

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-002904BR	BR	Method Of Delaying The Setting Time Of Crosslinked Lost Circulation Pills	Pending	Nov 29, 2005	PI05048397		
970253-002905CA	CA	Method Of Delaying The Setting Time Of Crosslinked Lost Circulation Pills	Issued	Nov 9, 2005	2526417	Mar 20, 2012	2526417
970253-002906EP	EP	Method Of Delaying The Setting Time Of Crosslinked Lost Circulation Pills	Issued	Nov 29, 2005	052573409	Apr 18, 2012	1661555
970253-002907NO	NO	Method Of Delaying The Setting Time Of Crosslinked Lost Circulation Pills	Pending	Nov 29, 2005	20055636		
970253-002908VE	VE	Method Of Delaying The Setting Time Of Crosslinked Lost Circulation Pills	Pending	Nov 24, 2005	2005002409		
970253-002909DE	DE	Method Of Delaying The Setting Time Of Crosslinked Lost Circulation Pills	Issued	Nov 29, 2005	052573409	Apr 18, 2012	602005033725.3
970253-002910FR	FR	Method Of Delaying The Setting Time Of Crosslinked Lost Circulation Pills	Issued	Nov 29, 2005	052573409	Apr 18, 2012	1661555
970253-002911GB	GB	Method Of Delaying The Setting Time Of Crosslinked Lost Circulation Pills	Issued	Nov 29, 2005	052573409	Apr 18, 2012	1661555
970253-002912HU	HU	Method Of Delaying The Setting Time Of Crosslinked Lost Circulation Pills	Issued	Nov 29, 2005	052573409	Apr 18, 2012	1661555
970253-002913NL	NL	Method Of Delaying The Setting Time Of Crosslinked Lost Circulation Pills	Issued	Nov 29, 2005	052573409	Apr 18, 2012	1661555

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-002914PL	PL	Method Of Delaying The Setting Time Of Crosslinked Lost Circulation Pills	Issued	Nov 29, 2005	052573409	Apr 18, 2012	1661555
970253-003000US	US	Method Of Increasing The Low Shear Rate Viscosity Of Well Drilling And Servicing Fluids Containing Calcined Magnesia Bridging Solids, The Fluids And Methods Of Use	Issued	Dec 14, 2004	11011659	May 8, 2007	7214647
970253-003001AR	AR	Method Of Increasing The Low Shear Rate Viscosity Of Well Drilling And Servicing Fluids Containing Calcined Magnesia Bridging Solids, The Fluids And Methods Of Use	Pending	Dec 13, 2005	P050105213		
970253-003002AU	AU	Method Of Increasing The Low Shear Rate Viscosity Of Well Drilling And Servicing Fluids Containing Calcined Magnesia Bridging Solids, The Fluids And Methods Of Use	Issued	Nov 9, 2005	2005232246	Apr 26, 2012	2005232246
970253-003003BR	BR	Method Of Increasing The Low Shear Rate Viscosity Of Well Drilling And Servicing Fluids Containing Calcined Magnesia Bridging Solids, The Fluids And Methods Of Use	Pending	Dec 14, 2005	PI05055105		

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-003004CA	CA	Method Of Increasing The Low Shear Rate Viscosity Of Well Drilling And Servicing Fluids Containing Calcined Magnesia Bridging Solids, The Fluids And Methods Of Use	Issued	Nov 8, 2005	2525990	Oct 16, 2012	2525990
970253-003005EP	EP	Method Of Increasing The Low Shear Rate Viscosity Of Well Drilling And Servicing Fluids Contaiing Calcined Magnesia Bridging Solids, The Fluids And Methods Of Use	Issued	Dec 12, 2005	052576048	Mar 7, 2012	1698677
970253-003006NO	NO	Method Of Increasing The Low Shear Rate Viscosity Of Well Drilling And Servicing Fluids Containing Calcined Magnesia Bridging Solids, The Fluids And Methods Of Use	Pending	Nov 7, 2005	20055229		
970253-003007VE	VE	Method Of Increasing The Low Shear Rate Viscosity Of Well Drilling And Servicing Fluids Containing Calcined Magnesia Bridging Solids, The Fluids And Methods Of Use	Pending	Dec 12, 2005	2005002520		
970253-003008DE	DE	Method Of Increasing The Low Shear Rate Viscosity Of Well Drilling And Servicing Fluids Contaiing Calcined Magnesia Bridging Solids, The Fluids And Methods Of Use	Issued	Dec 12, 2005	052576048	Mar 7, 2012	602005033009.7

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-003009FR	FR	Method Of Increasing The Low Shear Rate Viscosity Of Well Drilling And Servicing Fluids Contaiing Calcined Magnesia Bridging Solids, The Fluids And Methods Of Use	Issued	Dec 12, 2005	052576048	Mar 7, 2012	1698677
970253-003010GB	GB	Method Of Increasing The Low Shear Rate Viscosity Of Well Drilling And Servicing Fluids Contaiing Calcined Magnesia Bridging Solids, The Fluids And Methods Of Use	Issued	Dec 12, 2005	052576048	Mar 7, 2012	1698677
970253-003011HU	HU	Method Of Increasing The Low Shear Rate Viscosity Of Well Drilling And Servicing Fluids Contaiing Calcined Magnesia Bridging Solids, The Fluids And Methods Of Use	Issued	Dec 12, 2005	052576048	Mar 7, 2012	1698677
970253-003012NL	NL	Method Of Increasing The Low Shear Rate Viscosity Of Well Drilling And Servicing Fluids Contaiing Calcined Magnesia Bridging Solids, The Fluids And Methods Of Use	Issued	Dec 12, 2005	052576048	Mar 7, 2012	1698677
970253-003013PL	PL	Method Of Increasing The Low Shear Rate Viscosity Of Well Drilling And Servicing Fluids Contaiing Calcined Magnesia Bridging Solids, The Fluids And Methods Of Use	Issued	Dec 12, 2005	052576048	Mar 7, 2012	1698677

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-003101US	US	Compounded Hydrocarbon Oil And Oil Base Drilling Fluids Prepared Therefrom	Issued	Dec 16, 2005	11305602	Mar 1, 2011	7897544
970253-003102AR	AR	Compounded Hydrocarbon Oil And Oil Base Drilling Fluids Prepared Therefrom	Issued	Dec 13, 2005	5214	Jul 24, 2013	AR 052808 B1
970253-003103AU	AU	Compounded Hydrocarbon Oil And Oil Base Drilling Fluids Prepared Therefrom	Issued	Nov 9, 2005	2005232248	Nov 17, 2011	2005232248
970253-003104BR	BR	Compounded Hydrocarbon Oil And Oil Base Drilling Fluids Prepared Therefrom	Pending	Dec 29, 2005	PI05057949		
970253-003105CA	CA	Compounded Hydrocarbon Oil And Oil Base Drilling Fluids Prepared Therefrom	Issued	Nov 9, 2005	2526419	Sep 25, 2012	2526419
970253-003107ID	ID	Compounded Hydrocarbon Oil And Oil Base Drilling Fluids Prepared Therefrom	Issued	Jan 3, 2006	P00200600001	Apr 8, 2011	IDP0027985
970253-003108NO	NO	Compounded Hydrocarbon Oil And Oil Base Drilling Fluids Prepared Therefrom	Pending	Jan 3, 2006	20060013		
970253-003109VE	VE	Compounded Hydrocarbon Oil And Oil Base Drilling Fluids Prepared Therefrom	Pending	Dec 13, 2005	2006000003		
970253-003110DE	DE	Compounded Hydrocarbon Oil And Oil Base Drilling Fluids Prepared Therefrom	Issued	Dec 22, 2005	052580164	Jan 20, 2010	602005019020.1
970253-003112FR	FR	Compounded Hydrocarbon Oil And Oil Base Drilling Fluids Prepared Therefrom	Issued	Dec 22, 2005	052580164	Jan 20, 2010	1676897
970253-003113GB	GB	Compounded Hydrocarbon Oil And Oil Base Drilling Fluids	Issued	Dec 22, 2005	052580164	Jan 20, 2010	1676897

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
		Prepared Therefrom					
970253-003115NL	NL	Compounded Hydrocarbon Oil And Oil Base Drilling Fluids Prepared Therefrom	Issued	Dec 22, 2005	052580164	Jan 20, 2010	1676897
970253-003703AR	AR	Processing For Drying Boron-Containing Minerals And Products Thereof	Pending	Sep 24, 2008	P080104141		
970253-003704AU	AU	Processing For Drying Boron-Containing Minerals And Products Thereof	Issued	Sep 24, 2008	2008304547	Nov 15, 2012	2008304547
970253-003705BR	BR	Process For Drying Boron-Containing Minerals And Products Thereof	Pending	Sep 24, 2008	PI08174148		
970253-003706CA	CA	Process For Drying Boron-Containing Minerals And Products Thereof	Pending	Sep 24, 2008	2700542		
970253-003707EP	EP	Process For Drying Boron-Containing Minerals And Products Thereof	Pending	Sep 24, 2008	088328463		
970253-003708MX	MX	Processing For Drying Boron-Containing Minerals And Products Thereof	Pending	Sep 24, 2008	MXA2010003211		
970253-003709RU	RU	Processing For Drying Boron-Containing Minerals And Products Thereof	Issued	Sep 24, 2008	2010116094	Apr 14, 2014	2518692
970253-003710VE	VE	Process For Drying Boron-Containing Minerals And Products Thereof	Pending	Sep 24, 2008	2008001940		
970253-003803AR	AR	Methods, Systems, And Compositions For The Controlled Crosslinking Of Well Servicing Fluids	Published	Mar 2, 2009	P090100735		

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-003804VE	VE	Methods, Sysems, And Compositions For The Controlled Crosslinking Of Well Servicing Fluids	Published	Mar 2, 2009	2009000387		
970253-003805AU	AU	Methods, Systems, And Compositions For The Controlled Crosslinking Of Well Servicing Fluids	Issued	Feb 27, 2009	2009222091	Apr 4, 2013	2009222091
970253-003806BR	BR	Methods, Systems, And Compositions For The Controlled Crosslinking Of Well Servicing Fluids	Pending	Feb 27, 2009	PI09088989		
970253-003807CA	CA	Methods, Systems, And Compositions For The Controlled Crosslinking Of Well Servicing Fluids	Pending	Feb 27, 2009	2717073		
970253-003808CO	CO	Methods, Systems, And Compositions For The Controlled Crosslinking Of Well Servicing Fluids	Issued	Feb 27, 2009	10118686	Oct 17, 2013	60118
970253-003809EC	EC	Methods, Systems, And Compositions For The Controlled Crosslinking Of Well Servicing Fluids	Pending	Feb 27, 2009	1010504		
970253-003810EP	EP	Methods, Systems, And Compositions For The Controlled Crosslinking Of Well Servicing Fluids	Pending	Feb 27, 2009	097176275		
970253-003811IN	IN	Methods, Systems, And Compositions For The Controlled Crosslinking Of Well Servicing Fluids	Pending	Feb 27, 2009	5384CHENP2010		
970253-003812MX	MX	Methods, Systems, And Compositions For The Controlled Crosslinking Of Well Servicing Fluids	Pending	Feb 27, 2009	MXA2010009531		

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-003813NZ	NZ	Methods, Systems, And Compositions For The Controlled Crosslinking Of Well Servicing Fluids	Issued	Feb 27, 2009	587624	Jan 4, 2013	587624
970253-003814RU	RU	Methods, Systems, And Compositions For The Controlled Crosslinking Of Well Servicing Fluids	Issued	Feb 27, 2009	2010139959	Mar 12, 2014	2515109
970253-003815TT	TT	Methods, Systems, And Compositions For The Controlled Crosslinking Of Well Servicing Fluids	Pending	Feb 27, 2009	TTA201000177		
970253-003816UZ	UZ	Methods, Systems, And Compositions For The Controlled Crosslinking Of Well Servicing Fluids	Pending	Feb 27, 2009	IAP20100465		
970253-003817ZA	ZA	Methods, Systems, And Compositions For The Controlled Crosslinking Of Well Servicing Fluids	Issued	Feb 27, 2009	201006762	Oct 26, 2011	2010/06762
970253-003821WO	WO	Methods, Systems, and Compositions for the Controlled Crosslinking of Well Servicing Fluids	Pending	Mar 14, 2014	PCTUS20140293 81		
970253-003822AR	AR	Methods, Systems and Compositions for the Controlled Crosslinking of Well Servicing Fluids	Pending	Mar 17, 2014	P140101224		
970253-003903AR	AR	Ultra High Viscosity Pill And Methods For Use With An Oil-Based Drilling System	Pending	Jul 12, 2010	P100102517		
970253-003904AU	AU	Ultra High Viscosity Pill And Methods For Use With An Oil-Based Drilling System	Pending	Jul 9, 2010	2010271272		

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-003904VE	VE	Ultra High Viscosity Pill And Methods For Use With An Oil-Based Drilling System	Published	Jul 9, 2010	2010001128		
970253-003905CA	CA	Ultra High Viscosity Pill And Methods For Use With An Oil-Based Drilling System	Pending	Jul 9, 2010	2771045		
970253-003906CO	CO	Ultra High Viscosity Pill And Methods For Use With An Oil-Based Drilling System	Allowed	Jul 9, 2010	12023047		
970253-003907EP	EP	Ultra-High Viscosity Pill And Methods For Use With An Oil-Based Drilling System	Pending	Jul 9, 2010	107344079		
970253-003908RU	RU	Ultra High Viscosity Pill And Methods For Use With An Oil-Based Drilling System	Pending	Jul 13, 2012	2012104567		
970253-003909TT	TT	Ultra-High Viscosity Pill And Methods For Use With An Oil Based Drilling System	Pending	Jul 9, 2010	TTA201200026		
970253-003910US	US	Ultra High Viscosity Pill And Methods For Use With An Oil-Based Drilling System	Pending	Jan 11, 2013	13739979		
970253-006301US	US	Methods And Compositions For Hydrocarbon-Based Crosslinking Additives With Non-Detectable Btex-Levels	Published	May 4, 2012	13464593		
970253-006303AR	AR	Methods And Compositions For Hydrocarbon-Based Crosslinking Additives With Non-Detectable Btex-Levels	Pending	May 7, 2012	P120101601		

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-006304GC	GC	Methods And Compositions For Hydrocarbon-Based Crosslinking Additives With Non-Detectable Btex-Levels	Pending	May 5, 2012	P201221197		
970253-006305VE	VE	Methods And Compositions For Hydrocarbon-Based Crosslinking Additives With Non-Detectable Btex-Levels	Pending	May 7, 2012	2012000575		
970253-006306AU	AU	Methods And Compositions For Hydrocarbon-Based Crosslinking Additives With Non-Detectable Btex Levels	Pending	May 4, 2012	2012250584		
970253-006307CA	CA	Methods And Compositions For Hydrocarbon-Based Crosslinking Additives With Non-Detectable Btex Levels	Pending	Jan 22, 2014	2842831		
970253-006308EP	EP	Methods And Compositions For Hydrocarbon-Based Crosslinking Additives With Non-Detectable Btex Levels	Pending	May 4, 2012	127229904		
970253-006309RU	RU	Methods And Compositions For Hydrocarbon-Based Crosslinking Additives With Non-Detectable Btex Levels	Pending	Dec 2, 2013	2013153339		
970253-006403VE	VE	Dispersive/Lubricating Aqueous-Based Drilling System For Use In Hydrocarbon Recovry Operations From Heavy Oil And Tar Sands	Published	Nov 22, 2012	2012001503		

Atty Ref. No.	Ctry	Title	Status	Date Filed	Application No.	Grant Date	Patent No.
970253-006501US	US	Earth Metal Peroxide Fluidized Compositions	Pending	Feb 5, 2013	13759996		
970253-006502WO	WO	Earth Metal Peroxide Fluidized Compositions	Pending	Feb 5, 2013	PCTUS13024798		
970253-006601US	US	Hybrid Aqueous-Based Suspensions For Hydraulic Fracturing Operations	Pending	Feb 22, 2013	13774859		
970253-006602WO	WO	Hybrid Aqueous-Based Suspensions For Hydraulic Fracturing Operations	Pending	Feb 22, 2013	PCTUS13027240		