

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HISHAM NASR-EL-DIN	07/07/2017

RECEIVING PARTY DATA

Name:	THE TEXAS A&M UNIVERSITY SYSTEM
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City:	COLLEGE STATION
State/Country:	TEXAS
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PROPERTY NUMBERS Total: 12

Property Type	Number
Application Number:	61424182
Application Number:	61496111
Application Number:	13993462
Application Number:	61424329
Application Number:	13993788
Application Number:	61424361
Application Number:	13993831
Application Number:	61424253
Application Number:	13326561
Application Number:	61639460
Application Number:	61661055
Application Number:	61830731

CORRESPONDENCE DATA

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PATENT

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ATTORNEY DOCKET NUMBER:	09-12-13-14-336-347-455
NAME OF SUBMITTER:	SANDRA B. WEISS
SIGNATURE:	/Sandra B. Weiss/
DATE SIGNED:	03/12/2018
Total Attachments: 18 source=4-Assignment w Exhibit 1 - Nasr-El-Din - signed#page1.tif source=4-Assignment w Exhibit 1 - Nasr-El-Din - signed#page2.tif source=4-Assignment w Exhibit 1 - Nasr-El-Din - signed#page3.tif source=6-Exhibit 1-#page1.tif source=6-Exhibit 1-#page2.tif source=6-Exhibit 1-#page3.tif source=6-Exhibit 1-#page4.tif source=6-Exhibit 1-#page5.tif source=6-Exhibit 1-#page6.tif source=6-Exhibit 1-#page7.tif source=6-Exhibit 1-#page8.tif source=6-Exhibit 1-#page9.tif source=6-Exhibit 1-#page10.tif source=6-Exhibit 1-#page11.tif source=6-Exhibit 1-#page12.tif source=6-Exhibit 1-#page13.tif source=6-Exhibit 1-#page14.tif source=6-Exhibit 1-#page15.tif	

ASSIGNMENT

WHEREAS, I,

Hisham NASR-EL-DIN
2911 Colton Place
College Station, Texas 77845
United States of America
Citizenship: CA

have made the inventions and discoveries described in one or more of the patents and patent applications listed in the attached Exhibit I (hereinafter referred to as "Patents"); and

WHEREAS, **THE TEXAS A&M UNIVERSITY SYSTEM**, having a place of business at **3369 TAMU, College Station, TX 77843-3369, The United States of America**, and who, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

NOW, THEREFORE, for valuable consideration furnished by Assignee to me, receipt and sufficiency of which I hereby acknowledge, I hereby, without reservations:

1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to said inventions and discoveries, said Patents, any and all other patent applications on said inventions and discoveries or said Patents, including all provisional, non-provisional, divisional, renewal, substitute, and continuation applications based in whole or in part upon said inventions or discoveries, upon said Patents, or upon said other applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said Patents or other applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said Patents, said other applications, and said Letters Patent.

2. Authorize Assignee to file, transfer, assign, abandon, withdraw, enforce patent applications in any or all countries for any or all of said inventions and discoveries and said Patents in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under an International Convention or otherwise.

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments and Patent Offices, whichever is applicable, to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.

4. Warrant that I have not conveyed to others any right, title, or interest in any of the foregoing or any license to use the same or to make, use, or sel anything embodying or utilizing any of the foregoing; that I have good right to assign the same to Assignee without encumbrance; and that I am not aware of any claim to the contrary.

5. I bind my heirs, legal representatives, and assigns, as well as myself to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or

them, all acts reasonably serving to assure that the said Patents, the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in my control or in the control of my heirs, legal representatives, or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries and Patents; and to testify to the same in any interference, arbitration, or litigation.

[signature page follows]

EXHIBIT 1

Case Number	Country/Region Name	Earliest Priority Date	Filing Date	Application No.	Inventors	Title of Invention	Research Agreement No.
AFC11109	Australia	2010-Dec-17	2013-Jul-08	2011343382	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	Brazil	2010-Dec-17	2013-Jun-05	1120130139021	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	Canada	2010-Dec-17	2013-Jun-10	2820910	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	China (People's Republic)	2010-Dec-17	2013-Jun-17	201180060540.3	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	Colombia	2010-Dec-17	2013-Jul-10	13-163613	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	European Patent Convention	2010-Dec-17	2011-Jan-21	11151725.6	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	European Patent Convention	2010-Dec-17	2013-Jul-11	11797005.3	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	Gulf Cooperation Council	2010-Dec-17	2011-Dec-14	20006/2011	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	Indonesia	2010-Dec-17	2013-Jul-15	W00201303252	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	India	2010-Dec-17	2013-Jun-13	4526/CHENP/2013	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	Japan	2010-Dec-17	2013-Jun-10	543734/2013	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	Mexico	2010-Dec-17	2013-Jun-11	MX/a/2013/006614	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	Malaysia	2010-Dec-17	2013-Jun-10	PI2013700967	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260

AFC11109	New Zealand	2010-Dec-17	2013-May-28	611150	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	Russian Federation	2010-Dec-17	2013-Jul-09	2013131765	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	Singapore	2010-Dec-17	2013-May-31	201304246-0	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	Thailand	2010-Dec-17	2013-Jun-10	1301003151	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	United States of America	2010-Dec-17	2010-Dec-17	424182/61	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	United States of America	2010-Dec-17	2011-Jun-13	496111/61	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	United States of America	2010-Dec-17	2013-Jun-12	993462/13	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	Patent Cooperation Treaty	2010-Dec-17	2011-Dec-14	EP2011/072693	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11109	South Africa	2010-Dec-17	2013-Jun-26	04777/2013	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; BOUWMAN, Albertus Jacobus Maria; George, Noble Thekkemelathethil	Process and fluid to improve the permeability of sandstone formations using a chelating agent	09-0452; 09-1260
AFC11110	Australia	2010-Dec-17	2013-May-30	2011343383	NASR-EL-DIN, Hisham; LePage, James N.; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; Assem, Ahmed Issam Elsayed Salama	Process to control iron in oil and gas applications using a chelating agent	09-0452; 09-1260
AFC11110	Canada	2010-Dec-17	2013-Jun-10	2820918	NASR-EL-DIN, Hisham; LePage, James N.; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; Assem, Ahmed Issam Elsayed Salama	Process to control iron in oil and gas applications using a chelating agent	09-0452; 09-1260
AFC11110	European Patent Convention	2010-Dec-17	2011-Jan-21	11151726.4	NASR-EL-DIN, Hisham; LePage, James N.; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; Assem, Ahmed Issam Elsayed Salama	Process to control iron in oil and gas applications using a chelating agent	09-0452; 09-1260
AFC11110	European Patent Convention	2010-Dec-17	2013-Jul-11	11794497.5	NASR-EL-DIN, Hisham; LePage, James N.; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; Assem, Ahmed Issam Elsayed Salama	Process to control iron in oil and gas applications using a chelating agent	09-0452; 09-1260
AFC11110	Gulf Cooperation Council	2010-Dec-17	2011-Dec-14	20004/2011	NASR-EL-DIN, Hisham; LePage, James N.; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; Assem, Ahmed Issam Elsayed Salama	Process to control iron in oil and gas applications using a chelating agent	09-0452; 09-1260
AFC11110	India	2010-Dec-17	2013-Jun-18	4699/CHENP/2013	NASR-EL-DIN, Hisham; LePage, James N.; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; Assem, Ahmed Issam Elsayed Salama	Process to control iron in oil and gas applications using a chelating agent	09-0452; 09-1260

AFC11110	Malaysia	2010-Dec-17	2013-Jun-10	PI2013700969	NASR-EL-DIN, Hisham; LePage, James N.; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; Assem, Ahmed Issam Elsayed Salama	Process to control iron in oil and gas applications using a chelating agent	09-0452; 09-1260
AFC11110	United States of America	2010-Dec-17	2010-Dec-17	424346/61	NASR-EL-DIN, Hisham; LePage, James N.; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; Assem, Ahmed Issam Elsayed Salama	Process to control iron in oil and gas applications using a chelating agent	09-0452; 09-1260
AFC11110	United States of America	2010-Dec-17	2013-Jun-12	993489/13	NASR-EL-DIN, Hisham; LePage, James N.; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; Assem, Ahmed Issam Elsayed Salama	Process to control iron in oil and gas applications using a chelating agent	09-0452; 09-1260
AFC11110	Patent Cooperation Treaty	2010-Dec-17	2011-Dec-14	EP2011/072695	NASR-EL-DIN, Hisham; LePage, James N.; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; Assem, Ahmed Issam Elsayed Salama	Process to control iron in oil and gas applications using a chelating agent	09-0452; 09-1260
AFC11111	Australia	2010-Dec-17	2013-May-27	2011343272	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	Brazil	2010-Dec-17	2013-Jun-07	1120130142448	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	Canada	2010-Dec-17	2013-Jun-10	2820944	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	China (People's Republic)	2010-Dec-17	2013-Jun-14	201180060099.9	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	European Patent Convention	2010-Dec-17	2011-Jan-21	11151728.0	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	European Patent Convention	2010-Dec-17	2013-Jul-11	11801715.1	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	Gulf Cooperation Council	2010-Dec-17	2011-Dec-14	20007/2011	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	Indonesia	2010-Dec-17	2013-Jul-10	W00201303162	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	India	2010-Dec-17	2013-Jun-18	4682/CHENP/2013	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260

AFC11111	Japan	2010-Dec-17	2013-Jun-10	543811/2013	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	Mexico	2010-Dec-17	2013-Jun-11	MX/a/2013/00661/2	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	Malaysia	2010-Dec-17	2013-Jun-10	PI2013700968	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	New Zealand	2010-Dec-17	2013-Jun-05	611508	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	Philippines	2010-Dec-17	2013-Jun-13	1-2013-501229	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	Russian Federation	2010-Dec-17	2013-Jul-08	2013131289	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	Singapore	2010-Dec-17	2013-May-31	201304245-2	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	Thailand	2010-Dec-17	2013-Jun-10	1301003152	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	United States of America	2010-Dec-17	2010-Dec-17	424271/61	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	United States of America	2010-Dec-17	2011-Jun-13	496145/61	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	United States of America	2010-Dec-17	2013-Jun-12	993539/13	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	Patent Cooperation Treaty	2010-Dec-17	2011-Dec-14	EP2011/072696	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11111	Patent Cooperation Treaty	2010-Dec-17	2011-Dec-16	EP2011/073042	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260

AFC11111	South Africa	2010-Dec-17	2013-Jun-26	04778/2013	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; LePage, James N.; Bemelaar, Johanna Hendrika; BOUWMAN, Albertus Jacobus Maria; WANG, Guangun	Fluid suitable for treatment of carbonate formations containing a chelating agent	09-0452; 09-1260
AFC11112	Australia	2010-Dec-17	2013-May-27	2011343384	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	Brazil	2010-Dec-17	2013-Jun-10	1120130144181	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	Canada	2010-Dec-17	2013-Jun-10	2820920	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	China (People's Republic)	2010-Dec-17	2013-Jun-14	201180060065.X	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	Colombia	2010-Dec-17	2013-Jul-10	13-163620	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	European Patent Convention	2010-Dec-17	2011-Jan-21	11151729.8	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	European Patent Convention	2010-Dec-17	2013-Jul-11	11802342.3	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	Gulf Cooperation Council	2010-Dec-17	2011-Dec-14	19983/2011	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	Indonesia	2010-Dec-17	2013-Jul-15	W00201303253	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	India	2010-Dec-17	2013-Jun-05	5052/DELNP/2013	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	Japan	2010-Dec-17	2013-Jun-17	543735/2013	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	Mexico	2010-Dec-17	2013-Jun-11	MX/a/2013/006611	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	Malaysia	2010-Dec-17	2013-Jun-10	PI2013700970	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	New Zealand	2010-Dec-17	2013-Jun-05	611512	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	Russian Federation	2010-Dec-17	2013-Jul-09	2013131772	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	Singapore	2010-Dec-17	2013-May-31	201304244-5	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	Thailand	2010-Dec-17	2013-Jun-10	1301003153	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	United States of America	2010-Dec-17	2010-Dec-17	424329/61	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	United States of America	2010-Dec-17	2013-Jun-13	993788/13	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	Patent Cooperation Treaty	2010-Dec-17	2011-Dec-14	EP2011/072697	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260
AFC11112	South Africa	2010-Dec-17	2013-Jun-26	04779/2013	WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed; NASR-EL-DIN, Hisham	Treatment of illitic formations using a chelating agent	09-0452; 09-1260

AFC11113	Australia	2010-Dec-17	2013-May-31	2011343385	WOLF, DE, Cornelia Adriana; LePage, James N.; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; BANG, Edwin Rudolf Antony; George, Noble Thekkemelathethil	Ammonium salts of chelating agents and their use in oil and gas field applications	09-0452; 09-1260
AFC11113	Brazil	2010-Dec-17	2013-Jun-07	1120130142383	WOLF, DE, Cornelia Adriana; LePage, James N.; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; BANG, Edwin Rudolf Antony; George, Noble Thekkemelathethil	Ammonium salts of chelating agents and their use in oil and gas field applications	09-0452; 09-1260
AFC11113	China (People's Republic)	2010-Dec-17	2013-Jun-17	201180060584.6	WOLF, DE, Cornelia Adriana; LePage, James N.; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; BANG, Edwin Rudolf Antony; George, Noble Thekkemelathethil	Ammonium salts of chelating agents and their use in oil and gas field applications	09-0452; 09-1260
AFC11113	European Patent Convention	2010-Dec-17	2011-Jan-21	11151730.6	WOLF, DE, Cornelia Adriana; LePage, James N.; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; BANG, Edwin Rudolf Antony; George, Noble Thekkemelathethil	Ammonium salts of chelating agents and their use in oil and gas field applications	09-0452; 09-1260
AFC11113	European Patent Convention	2010-Dec-17	2013-Jul-11	11797235.6	WOLF, DE, Cornelia Adriana; LePage, James N.; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; BANG, Edwin Rudolf Antony; George, Noble Thekkemelathethil	Ammonium salts of chelating agents and their use in oil and gas field applications	09-0452; 09-1260
AFC11113	Gulf Cooperation Council	2010-Dec-17	2011-Dec-14	20005/2011	WOLF, DE, Cornelia Adriana; LePage, James N.; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; BANG, Edwin Rudolf Antony; George, Noble Thekkemelathethil	Ammonium salts of chelating agents and their use in oil and gas field applications	09-0452; 09-1260
AFC11113	India	2010-Dec-17	2013-Jun-05	5053/DELNP/2013	WOLF, DE, Cornelia Adriana; LePage, James N.; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; BANG, Edwin Rudolf Antony; George, Noble Thekkemelathethil	Ammonium salts of chelating agents and their use in oil and gas field applications	09-0452; 09-1260
AFC11113	Japan	2010-Dec-17	2013-Jun-07	543736/2013	WOLF, DE, Cornelia Adriana; LePage, James N.; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; BANG, Edwin Rudolf Antony; George, Noble Thekkemelathethil	Ammonium salts of chelating agents and their use in oil and gas field applications	09-0452; 09-1260
AFC11113	United States of America	2010-Dec-17	2010-Dec-17	424361/61	WOLF, DE, Cornelia Adriana; LePage, James N.; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; BANG, Edwin Rudolf Antony; George, Noble Thekkemelathethil	Ammonium salts of chelating agents and their use in oil and gas field applications	09-0452; 09-1260
AFC11113	United States of America	2010-Dec-17	2013-Jun-13	993831/13	WOLF, DE, Cornelia Adriana; LePage, James N.; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; BANG, Edwin Rudolf Antony; George, Noble Thekkemelathethil	Ammonium salts of chelating agents and their use in oil and gas field applications	09-0452; 09-1260
AFC11113	Patent Cooperation Treaty	2010-Dec-17	2011-Dec-14	EP2011/072698	WOLF, DE, Cornelia Adriana; LePage, James N.; NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; BANG, Edwin Rudolf Antony; George, Noble Thekkemelathethil	Ammonium salts of chelating agents and their use in oil and gas field applications	09-0452; 09-1260
AFC11114	Australia	2010-Dec-17	2011-Feb-01	2011200525	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; LePage, James N.; Nasr-El-Din Mahmoud, Mohamed Ahmed; Bemelaar, Johanna Hendrika	Environmentally friendly stimulation fluids, processes to create wormholes in carbonate reservoirs, and processes to remove wellbore damage in carbonate reservoirs	09-0452; 09-1260
AFC11114	Brazil	2010-Dec-17	2011-Feb-08	PI1100352-9	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; LePage, James N.; Nasr-El-Din Mahmoud, Mohamed Ahmed; Bemelaar, Johanna Hendrika	Environmentally friendly stimulation fluids, processes to create wormholes in carbonate reservoirs, and processes to remove wellbore damage in carbonate reservoirs	09-0452; 09-1260

AFC11114	Canada	2010-Dec-17	2011-Feb-02	2730812	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; LePage, James N.; Nasr-El-Din Mahmoud, Mohamed Ahmed; Bemelaar, Johanna Hendrika	Environmentally friendly stimulation fluids, processes to create wormholes in carbonate reservoirs, and processes to remove wellbore damage in carbonate reservoirs	09-0452; 09-1260
AFC11114	Malaysia	2010-Dec-17	2011-Jan-25	PI2011000361	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; LePage, James N.; Nasr-El-Din Mahmoud, Mohamed Ahmed; Bemelaar, Johanna Hendrika	Environmentally friendly stimulation fluids, processes to create wormholes in carbonate reservoirs, and processes to remove wellbore damage in carbonate reservoirs	09-0452; 09-1260
AFC11114	United States of America	2010-Dec-17	2010-Dec-17	424253/61	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; LePage, James N.; Nasr-El-Din Mahmoud, Mohamed Ahmed; Bemelaar, Johanna Hendrika	Environmentally friendly stimulation fluids, processes to create wormholes in carbonate reservoirs, and processes to remove wellbore damage in carbonate reservoirs	09-0452; 09-1260
AFC11114	United States of America	2010-Dec-17	2011-Dec-15	326561/13	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; LePage, James N.; Nasr-El-Din Mahmoud, Mohamed Ahmed; Bemelaar, Johanna Hendrika	Environmentally friendly stimulation fluids, processes to create wormholes in carbonate reservoirs, and processes to remove wellbore damage in carbonate reservoirs	09-0452; 09-1260
AFC11183	European Patent Convention	2011-Jun-13	2011-Jul-6	11172813.5	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed	Treatment of shale formations using a chelating agent.	09-0452; 09-1260
AFC11183	European Patent Convention	2011-Jun-13	2013-Nov-18	12729434.6	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed	Treatment of shale formations using a chelating agent.	09-0452; 09-1260
AFC11183	Gulf Cooperation Council	2011-Jun-13	2012-Jun-13	21494	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed	Treatment of shale formations using a chelating agent.	09-0452; 09-1260
AFC11183	United States of America	2011-Jun-13	2011-Jun-13	496179/61	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed	Treatment of shale formations using a chelating agent.	09-0452; 09-1260
AFC11183	United States of America	2011-Jun-13	2013-Dec-09	124831/14	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed	Treatment of shale formations using a chelating agent.	09-0452; 09-1260
AFC11183	Patent Cooperation Treaty	2011-Jun-13	2012-Jun-11	EP2012/060950	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Nasr-El-Din Mahmoud, Mohamed Ahmed	Treatment of shale formations using a chelating agent.	09-0452; 09-1260
AFC11184	Canada	2011-Jun-13	2013-Dec-04	2838297	NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; WOLF, DE, Cornelia Adriana; He, Jia	Process to fracture a subterranean formation using a chelating agent.	09-0452; 09-1260
AFC11184	European Patent Convention	2011-Jun-13	2011-Jul-6	11172814.3	NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; WOLF, DE, Cornelia Adriana; He, Jia	Process to fracture a subterranean formation using a chelating agent.	09-0452; 09-1260
AFC11184	European Patent Convention	2011-Jun-13	2013-Nov-18	12729435.3	NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; WOLF, DE, Cornelia Adriana; He, Jia	Process to fracture a subterranean formation using a chelating agent.	09-0452; 09-1260
AFC11184	Gulf Cooperation Council	2011-Jun-13	2012-Jun-13	21495	NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; WOLF, DE, Cornelia Adriana; He, Jia	Process to fracture a subterranean formation using a chelating agent.	09-0452; 09-1260
AFC11184	United States of America	2011-Jun-13	2011-Jun-13	496214/61	NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; WOLF, DE, Cornelia Adriana; He, Jia	Process to fracture a subterranean formation using a chelating agent.	09-0452; 09-1260
AFC11184	United States of America	2011-Jun-13	2013-Dec-09	124924/14	NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; WOLF, DE, Cornelia Adriana; He, Jia	Process to fracture a subterranean formation using a chelating agent.	09-0452; 09-1260
AFC11184	Patent Cooperation Treaty	2011-Jun-13	2012-Jun-11	EP2012/060951	NASR-EL-DIN, Hisham; Nasr-El-Din Mahmoud, Mohamed Ahmed; WOLF, DE, Cornelia Adriana; He, Jia	Process to fracture a subterranean formation using a chelating agent.	09-0452; 09-1260
AFC11185	Australia	2011-Jun-13	2013-Nov-19	2012269162	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260
AFC11185	Brazil	2011-Jun-13	2013-Dec-05	1120130313234	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260

AFC11185	Canada	2011-Jun-13	2013-Dec-04	2838299	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260
AFC11185	China (People's Republic)	2011-Jun-13	2013-Dec-12	201280028926.0	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260
AFC11185	Colombia	2011-Jun-13	2014-Jan-03	14-000884	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260
AFC11185	Eurasian Patent Organization	2011-Jun-13	2013-Dec-26	201391796	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260
AFC11185	European Patent Convention	2011-Jun-13	2011-Jul-6	11172815.0	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260
AFC11185	European Patent Convention	2011-Jun-13	2013-Nov-18	12729436.1	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260
AFC11185	Gulf Cooperation Council	2011-Jun-13	2012-Jun-13	21496	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260
AFC11185	Indonesia	2011-Jun-13	2014-Jan-03	P00201400030	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260
AFC11185	India	2011-Jun-13	2013-Dec-31	10388/CHENP/20 13	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260
AFC11185	Japan	2011-Jun-13	2013-Dec-06		WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260
AFC11185	Mexico	2011-Jun-13	2013-Dec-05	MX/a/2013/01440 0	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260
AFC11185	Malaysia	2011-Jun-13	2013-Dec-05	PI2013702372	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260
AFC11185	Philippines	2011-Jun-13	2013-Dec-02	1-2013-502488	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260
AFC11185	Singapore	2011-Jun-13	2013-Dec-06	201309048-5	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260
AFC11185	Thailand	2011-Jun-13	2013-Dec-06	1301006990	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260
AFC11185	United States of America	2011-Jun-13	2011-Jun-13	496236/61	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260
AFC11185	United States of America	2011-Jun-13	2013-Dec-10	125102/14	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260
AFC11185	Patent Cooperation Treaty	2011-Jun-13	2012-Jun-11	EP2012/060952	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in chromium-containing equipment.	09-0452; 09-1260

AFC11312	European Patent Convention	2012-Feb-13	2012-Feb-28	12157218.4	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in carbon steel-containing equipment	09-0452; 09-1260; 11-0876; 11-1141
AFC11312	Gulf Cooperation Council	2012-Feb-13	2013-Feb-13	23550/2013	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in carbon steel-containing equipment	09-0452; 09-1260; 11-0876; 11-1141
AFC11312	Patent Cooperation Treaty	2012-Feb-13	2013-Feb-11	EP2013/052687	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in carbon steel-containing equipment	09-0452; 09-1260; 11-0876; 11-1141
AFC11312	United States of America	2012-Feb-13	2012-Feb-13	597950/61	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in carbon steel-containing equipment	09-0452; 09-1260; 11-0876; 11-1141
AFC11336	European Patent Convention	2012-Apr-27	2012-May-11	12167695.1	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; BANG, Edwin Rudolf Antony; WANG, Guanqun; BALTUSSEN, Jozef Johannes Maria; THEEUWEN, Conrardus Hubertus Joseph; O, Boen Ho; EIJK, VAN, Marcel Cornelis Paulus	Foam or viscosified composition containing a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11336	Gulf Cooperation Council	2012-Apr-27	2013-Apr-27	24212	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; BANG, Edwin Rudolf Antony; WANG, Guanqun; BALTUSSEN, Jozef Johannes Maria; THEEUWEN, Conrardus Hubertus Joseph; O, Boen Ho; EIJK, VAN, Marcel Cornelis Paulus	Foam or viscosified composition containing a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11336	Patent Cooperation Treaty	2012-Apr-27	2013-Apr-24	EP2013/058455	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; BANG, Edwin Rudolf Antony; WANG, Guanqun; BALTUSSEN, Jozef Johannes Maria; THEEUWEN, Conrardus Hubertus Joseph; O, Boen Ho; EIJK, VAN, Marcel Cornelis Paulus	Foam or viscosified composition containing a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11336	United States of America	2012-Apr-27	2012-Apr-27	639460/61	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; BANG, Edwin Rudolf Antony; WANG, Guanqun; BALTUSSEN, Jozef Johannes Maria; THEEUWEN, Conrardus Hubertus Joseph; O, Boen Ho; EIJK, VAN, Marcel Cornelis Paulus	Foam or viscosified composition containing a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11345	European Patent Convention	2012-Apr-27	2012-Jul-5	12175052.5	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Elkatahy, Salaheldin Mahmoud Ahmed Ahmed	One step process to remove filter cake and treat a subterranean formation with a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11345	Gulf Cooperation Council	2012-Apr-27	2013-Apr-27	24211	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Elkatahy, Salaheldin Mahmoud Ahmed Ahmed	One step process to remove filter cake and treat a subterranean formation with a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11345	Patent Cooperation Treaty	2012-Apr-27	2013-Apr-24	EP2013/058457	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Elkatahy, Salaheldin Mahmoud Ahmed Ahmed	One step process to remove filter cake and treat a subterranean formation with a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11345	United States of America	2012-Apr-27	2012-Jun-18	661001/61	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Elkatahy, Salaheldin Mahmoud Ahmed Ahmed	One step process to remove filter cake and treat a subterranean formation with a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11346	European Patent Convention	2012-Jun-18	2012-Jul-05	12175056.6	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim	Composition containing an emulsified chelating agent and process to treat a subterranean formation	09-0452; 09-1260; 11-0876; 11-1141
AFC11346	Gulf Cooperation Council	2012-Jun-18	2013-Jun-04	24563	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim	Composition containing an emulsified chelating agent and process to treat a subterranean formation	09-0452; 09-1260; 11-0876; 11-1141
AFC11346	Patent Cooperation Treaty	2012-Jun-18	2013-Jun-04	EP2013/061472	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim	Composition containing an emulsified chelating agent and process to treat a subterranean formation	09-0452; 09-1260; 11-0876; 11-1141
AFC11346	United States of America	2012-Jun-18	2012-Jun-18	661017/61	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim	Composition containing an emulsified chelating agent and process to treat a subterranean formation	09-0452; 09-1260; 11-0876; 11-1141
AFC11347	European Patent Convention	2012-Jun-18	2012-Jul-05	12175064.0	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; DE OLIVEIRA BARRA, Estevao; BANG, Edwin Rudolf Antony; Stanitzek, Theodor Johannes	Process to produce oil or gas from a subterranean formation using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11347	Gulf Cooperation Council	2012-Jun-18	2013-Jun-18	24692	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; DE OLIVEIRA BARRA, Estevao; BANG, Edwin Rudolf Antony; Stanitzek, Theodor Johannes	Process to produce oil or gas from a subterranean formation using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141

AFC11347	Patent Cooperation Treaty	2012-Jun-18	2013-Jun-14	EP2013/062317	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; DE OLIVEIRA BARRA, Estevao; BANG, Edwin Rudolf Antony; Stanitzek, Theodor Johannes	Process to produce oil or gas from a subterranean formation using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11347	United States of America	2012-Jun-18	2012-Jun-18	661055/61	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; DE OLIVEIRA BARRA, Estevao; BANG, Edwin Rudolf Antony; Stanitzek, Theodor Johannes	Process to produce oil or gas from a subterranean formation using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11455	European Patent Convention	2013-Jun-4	2013-Jun-27	13174058.1	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevao	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
AFC11455	United States of America	2013-Jun-4	2013-Jun-04	830731/61	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevao	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
ACA11458	United States of America	2013-Jun-4	2013-Jun-04	830713/61	ZHANG, Lei; NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; SAYED, Mohamed Ali Ibrahim	An acid-in-hydrocarbon emulsion having improved stability at elevated temperature	09-0452; 09-1260; 11-0876; 11-1141; 1310097
ACA11458	United States of America	2013-Jun-4	2013-Aug-23	869269/61	ZHANG, Lei; NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; SAYED, Mohamed Ali Ibrahim	An acid-in-hydrocarbon emulsion having improved stability at elevated temperature	09-0452; 09-1260; 11-0876; 11-1141; 1310097
ACA11458	European Patent Convention	2013-Jun-4	2013-Sep-17	13184668.5	ZHANG, Lei; NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; SAYED, Mohamed Ali Ibrahim	An acid-in-hydrocarbon emulsion having improved stability at elevated temperature	09-0452; 09-1260; 11-0876; 11-1141; 1310097
ACA11498	European Patent Convention	2013-Dec-5	2014-Apr-11	14164330.4	ZHOU, Jian; NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; SHU, Yi; WANG, Guangun	Process to preserve or improve the functionality of viscoelastic surfactants	09-0452; 09-1260; 11-0876; 11-1141; 1310097
ACA11498	United States of America	2013-Dec-5	2013-Dec-05	912081/61	ZHOU, Jian; NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; SHU, Yi; WANG, Guangun	Process to preserve or improve the functionality of viscoelastic surfactants	09-0452; 09-1260; 11-0876; 11-1141; 1310097

Case Number	Country/Region Name	Earliest Priority Date	Filing Date	Application No.	Inventors	Title of Invention	Research Agreement No.
AFC11312	Brazil	2012-Feb-28	2014-Aug-04	1120140192375	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in carbon steel-containing equipment	09-0452; 09-1260; 11-0876; 11-1141
AFC11312	Canada	2012-Feb-28	2014-Jul-31	2863454	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in carbon steel-containing equipment	09-0452; 09-1260; 11-0876; 11-1141
AFC11312	China (People's Republic)	2012-Feb-28	2014-Aug-04	201380007903.6	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in carbon steel-containing equipment	09-0452; 09-1260; 11-0876; 11-1141
AFC11312	Colombia	2012-Feb-28	2014-Sep-05	14-196307	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in carbon steel-containing equipment	09-0452; 09-1260; 11-0876; 11-1141
AFC11312	European Patent Convention	2012-Feb-28	2014-Aug-27	13703594.5	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in carbon steel-containing equipment	09-0452; 09-1260; 11-0876; 11-1141
AFC11312	European Patent Convention	2012-Feb-28	2012-Feb-28	12157218.4	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in carbon steel-containing equipment	09-0452; 09-1260; 11-0876; 11-1141
AFC11312	Gulf Cooperation Council	2012-Feb-28	2013-Feb-13	23550/2013	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in carbon steel-containing equipment	09-0452; 09-1260; 11-0876; 11-1141
AFC11312	Indonesia	2012-Feb-28	2014-Sep-05	#REF!	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in carbon steel-containing equipment	09-0452; 09-1260; 11-0876; 11-1141
AFC11312	India	2012-Feb-28	2014-Aug-06	#REF!	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in carbon steel-containing equipment	09-0452; 09-1260; 11-0876; 11-1141
AFC11312	Mexico	2012-Feb-28	2014-Aug-08	#REF!	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in carbon steel-containing equipment	09-0452; 09-1260; 11-0876; 11-1141
AFC11312	Malaysia	2012-Feb-28	2014-Aug-05	#REF!	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in carbon steel-containing equipment	09-0452; 09-1260; 11-0876; 11-1141
AFC11312	Thailand	2012-Feb-28	2014-Aug-04	#REF!	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in carbon steel-containing equipment	09-0452; 09-1260; 11-0876; 11-1141
AFC11312	United States of America	2012-Feb-28	2014-Aug-06	#REF!	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in carbon steel-containing equipment	09-0452; 09-1260; 11-0876; 11-1141
AFC11312	Patent Cooperation Treaty	2012-Feb-28	2013-Feb-11	#REF!	WOLF, DE, Cornelia Adriana; BOUWMAN, Albertus Jacobus Maria; NASR-EL-DIN, Hisham	Improved corrosion resistance when using chelating agents in carbon steel-containing equipment	09-0452; 09-1260; 11-0876; 11-1141

Case Number	Country/Region Name	Earliest Priority Date	Filing Date	Application No.	Inventors	Title of invention	Research Agreement No.
AFC11347	Australia	2012-Jul-05	2014--Nov-18	2013279581	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; DE OLIVEIRA BARRA, Estevo; BANG, Edwin Rudolf Antony; Stanitzek, Theodor Johannes	Process to produce oil or gas from a subterranean formation using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11347	Brazil	2012-Jul-05	2014-Dec-03	1120140302740	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; DE OLIVEIRA BARRA, Estevo; BANG, Edwin Rudolf Antony; Stanitzek, Theodor Johannes	Process to produce oil or gas from a subterranean formation using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11347	Canada	2012-Jul-05	2014-Dec-05	2875938	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; DE OLIVEIRA BARRA, Estevo; BANG, Edwin Rudolf Antony; Stanitzek, Theodor Johannes	Process to produce oil or gas from a subterranean formation using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11347	China (People's Republic)	2012-Jul-05	2014-Dec-10	201380030534.2	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; DE OLIVEIRA BARRA, Estevo; BANG, Edwin Rudolf Antony; Stanitzek, Theodor Johannes	Process to produce oil or gas from a subterranean formation using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11347	Colombia	2012-Jul-05	2015-Jan-09	15-004657	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; DE OLIVEIRA BARRA, Estevo; BANG, Edwin Rudolf Antony; Stanitzek, Theodor Johannes	Process to produce oil or gas from a subterranean formation using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11347	European Patent Convention	2012-Jul-05	2014-Nov-21	13733964.4	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; DE OLIVEIRA BARRA, Estevo; BANG, Edwin Rudolf Antony; Stanitzek, Theodor Johannes	Process to produce oil or gas from a subterranean formation using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11347	European Patent Convention	2012-Jul-05	2012-Jul-05	12175064.0	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; DE OLIVEIRA BARRA, Estevo; BANG, Edwin Rudolf Antony; Stanitzek, Theodor Johannes	Process to produce oil or gas from a subterranean formation using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11347	Gulf Cooperation Council	2012-Jul-05	2013-Jun-18	24692	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; DE OLIVEIRA BARRA, Estevo; BANG, Edwin Rudolf Antony; Stanitzek, Theodor Johannes	Process to produce oil or gas from a subterranean formation using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11347	Indonesia	2012-Jul-05	2015-Jan-09	P00201500142	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; DE OLIVEIRA BARRA, Estevo; BANG, Edwin Rudolf Antony; Stanitzek, Theodor Johannes	Process to produce oil or gas from a subterranean formation using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11347	India	2012-Jul-05	2014-Nov-21	9876/DELNP/2014	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; DE OLIVEIRA BARRA, Estevo; BANG, Edwin Rudolf Antony; Stanitzek, Theodor Johannes	Process to produce oil or gas from a subterranean formation using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11347	Mexico	2012-Jul-05	2014-Dec-11	MX/a/2014/015260	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; DE OLIVEIRA BARRA, Estevo; BANG, Edwin Rudolf Antony; Stanitzek, Theodor Johannes	Process to produce oil or gas from a subterranean formation using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11347	Malaysia	2012-Jul-05	2014-Dec-10	PI2014703707	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; DE OLIVEIRA BARRA, Estevo; BANG, Edwin Rudolf Antony; Stanitzek, Theodor Johannes	Process to produce oil or gas from a subterranean formation using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11347	Thailand	2012-Jul-05	2014-Dec-09	1401007385	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; DE OLIVEIRA BARRA, Estevo; BANG, Edwin Rudolf Antony; Stanitzek, Theodor Johannes	Process to produce oil or gas from a subterranean formation using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
AFC11347	United States of America	2012-Jul-05	2014-Dec-09	406706/14	WOLF, DE, Cornelia Adriana; NASR-EL-DIN, Hisham; DE OLIVEIRA BARRA, Estevo; BANG, Edwin Rudolf Antony; Stanitzek, Theodor Johannes	Process to produce oil or gas from a subterranean formation using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141

AFC11347	Patent Cooperation Treaty	2012-Jul-05	2013-Jun-14	EP2013/062317	WOLF, DE, Cornelia Adriana; NASEFLOO, Hisham; DE OLIVEIRA BARRA, Estevao; BANG, Edwin Rudolf Antony; Stanitzek, Theodor Johannes	Process to produce oil or gas from a subterranean formation using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141
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Case Number	Country/Region Name	Earliest Priority Date	Filing Date	Application No.	Inventors	Title of Invention	Research Agreement No.
AFC11455	United Arab Emirates	2013-Jun-04	2015-Dec-06	P1628/15	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevao	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
AFC11455	Brazil	2013-Jun-04	2015-Nov-24	112015029426.0	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevao	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
AFC11455	Canada	2013-Jun-04	2015-Oct-30	2911194	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevao	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
AFC11455	Chile	2013-Jun-04	2015-Nov-27	3482-2015	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevao	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
AFC11455	Colombia	2013-Jun-04	2015-Dec-30	15-311537	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevao	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
AFC11455	Eurasian Patent Organization	2013-Jun-04	2015-Dec-25	201592271	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevao	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
AFC11455	European Patent Convention	2013-Jun-04	2015-Oct-30	14728171.1	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevao	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
AFC11455	Indonesia	2013-Jun-04	2015-Dec-28	P00201508794	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevao	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
AFC11455	India	2013-Jun-04	2015-Nov-09	3183/MUMNP/2015	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevao	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
AFC11455	Mexico	2013-Jun-04	2015-Nov-27	MX/a/2015/016427	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevao	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
AFC11455	Malaysia	2013-Jun-04	2015-Oct-28	PI2015704315	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevao	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
AFC11455	New Zealand	2013-Jun-04	2015-Oct-30	713758	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevao	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
AFC11455	Oman	2013-Jun-04	2015-Nov-26	OM/P/2015/00313	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevao	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
AFC11455	Qatar	2013-Jun-04	2015-Dec-01	QA/201512/00512	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevao	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097

AFC11455	Saudi Arabia	2013-Jun-04	2015-Nov-26	515370189	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevas	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
AFC11455	Thailand	2013-Jun-04	2015-Nov-26	1501007116	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevas	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
AFC11455	United States of America	2013-Jun-04	2015-Dec-01	895134/14	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevas	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
AFC11455	Patent Cooperation Treaty	2013-Jun-04	2014-Jun-03	EP2014/061445	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevas	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
AFC11455	European Patent Convention	2013-Jun-4	2013-Jun-27	13174058.1	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevas	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097
AFC11455	United States of America	2013-Jun-4	2013-Jun-04	830731/61	NASR-EL-DIN, Hisham; WOLF, DE, Cornelia Adriana; Sayed, Mohammed Ali Ibrahim; DE OLIVEIRA BARRA, Estevas	Process to treat subterranean formations using a chelating agent	09-0452; 09-1260; 11-0876; 11-1141; 1310097