

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3574873

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CERAMATEC, INC.	11/24/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	FIELD UPGRADING LIMITED
<b>Street Address:</b>	1100 1ST STREET SE
<b>Internal Address:</b>	SUITE 201
<b>City:</b>	CALGARY, ALBERTA
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	T2G 1B1
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	8747660
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(608)258-4258
<i>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.</i>	
<b>Phone:</b>	608-258-4303
<b>Email:</b>	ipdocketing@foley.com, rmcgill@foley.com, sgibson@foley.com
<b>Correspondent Name:</b>	JOSEPH P. MEARA
<b>Address Line 1:</b>	FOLEY & LARDNER LLP
<b>Address Line 2:</b>	150 E GILMAN STREET
<b>Address Line 4:</b>	MADISON, WISCONSIN 53703
<b>ATTORNEY DOCKET NUMBER:</b>	111147-0134
<b>NAME OF SUBMITTER:</b>	JOSEPH P. MEARA
<b>SIGNATURE:</b>	/Joseph P. Meara/
<b>DATE SIGNED:</b>	10/19/2015
<b>Total Attachments: 6</b>	
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ATTACHMENT B  
ASSIGNMENT OF CERAMATEC PATENTS

THIS ASSIGNMENT is made and entered into on this 24<sup>th</sup> day of November, 2014 (the "Effective Date") by and between **FIELD UPGRADING LIMITED**, with its principal administrative offices at Suite 201, 1100-1st Street S.E., Calgary, Alberta T2G 1B1 (hereinafter called "Field Upgrading") and **CERAMATEC, INC.**, a Utah Corporation with its principal administrative offices at 2425 South 900 West, Salt Lake City, UT 84119 (hereinafter called "Ceramatec"). Field and Ceramatec are collectively referred to as the "Parties" and individually as a "Party".

**RECITALS**

- A. Field Upgrading and Ceramatec entered that certain agreement titled Commercialization Agreement on this date (the "**Commercialization Agreement**").
- B. The Commercialization Agreement provides for the transfer of certain technology including patents from Ceramatec to Field Upgrading.
- C. The Parties to the Commercialization Agreement wish to confirm the transfer of such technology from Ceramatec to Field Upgrading by executing this Assignment.

**1. Assignment**

For good and valuable consideration, the receipt of which is acknowledged by Ceramatec, Ceramatec hereby assigns, transfers and conveys all of Ceramatec's right, title, estate and interest of whatsoever nature or kind in and to the Upgrading Technology (as defined in the Commercialization Agreement) owned or controlled by Ceramatec on the Effective Date to Field Upgrading (the "**Upgrading Technology Transfer**"). Ceramatec confirms and agrees that the Upgrading Technology Transfer includes an assignment, transfer and conveyance of the patents, including patent applications, identified in the Schedule attached to this Assignment (the "**Transferred Patents**"), and that it has assigned, transferred and conveyed, and hereby assigns, transfers and conveys unto Field Upgrading, all of its right, title, estate and interest in and to the Transferred Patents, inclusive of the right to sue for past infringements, the same to be held and enjoyed by Field Upgrading as fully and entirely as the same would have been held and enjoyed by Ceramatec had the assignment, transfer and conveyance not been made.

**2. Effective Date**

The Upgrading Technology Transfer is effective as of the Effective Date.

**3. Further Assurances**

Upon request and at the cost of Field Upgrading, Ceramatec agrees to execute and deliver and do or cause to be done all documents, instruments, assignments, transfers, notices acts and things as Field Upgrading may reasonable request in order to give effect to the Upgrading Technology Transfer, including executing transfers of patents and patent applications, in form and content which may be required in order to record this assignment and transfer in any applicable jurisdiction. Without limiting the foregoing, not later than thirty (30) days after such Upgrading

Technology Transfer, Ceramatec will assign, transfer and convey to Field Upgrading the Transferred Patents in forms which will enable the recording of the assignment, transfer and conveyance in the appropriate registers of any governmental authorities where such Patents are recorded.

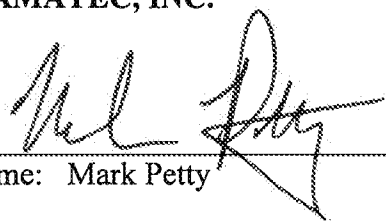
**4. Miscellaneous Provisions**

- (a) **Governing Law.** This Agreement is a contract made under and shall be governed by and construed in accordance with the laws of the Province of Alberta and the federal laws of Canada applicable in the Province of Alberta.
- (b) **Successors and Assigns.** This Agreement shall enure to the benefit of and be binding upon the Parties and their respective successors and permitted assigns.
- (c) **Counterpart Execution.** To facilitate execution, this Agreement may be executed in counterparts. It will not be necessary that the signature of or on behalf of each Party appears on each counterpart; rather, it will be sufficient that the signature of or on behalf of each Party appears on one or more of the counterparts. All counterparts will collectively constitute a single agreement. It will not be necessary in any proof of this Agreement to produce or account for more than a number of counterparts containing the respective signatures of or on behalf of both Parties. A copy or facsimile of an original signed Agreement shall have the same force and effect as the original document.

**IN WITNESS WHEREOF**, the parties hereto have caused this Assignment to be duly executed by their respective authorized officers.

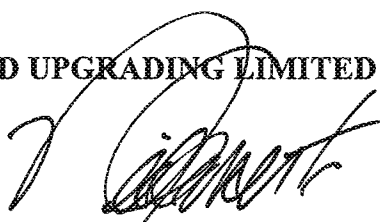
Executed this 24<sup>th</sup> day of November, 2014.

**CERAMATEC, INC.**

By:   
Name: Mark Petty  
Title: President & CEO

Executed this 24<sup>th</sup> day of November, 2014.

**FIELD UPGRADING LIMITED**

By:   
Name: Neil Camarta  
Title: President & CEO

**ATTACHMENT A1 -- UPGRADING PATENTS**

Docket No.	Title	Filing Date	Country	Status	Application No.	DOE funded
8000.2.14	Process For Recovering Alkali Metals and Sulfur From Alkali Metals and Sulfur From Alkali Sulfides and Polysulfides	25-Nov-08	United States of America	Issued	12/277,822 8,088,270	S-140,049
8000.2.14CA	Process For Recovering Alkali Metals and Sulfur From Alkali Metal Sulfides and Polysulfides	25-Nov-08	Canada	Pending	2,705,270	S-140,049
8000.2.14VZ	Process For Recovering Alkali Metals and Sulfur From Alkali Metal Sulfides and Polysulfides	30-Apr-12	Venezuela	Published	00542-2012	S-140,049
1000.2.93 (CER-041070)	PROCESS FOR THE RECOVERY OF MATERIALS FROM A DESULFURIZATION REACTION	Utility - ORG	United States of America	Issued	7,897,028	No
1000.2.93CA	PROCESS FOR THE RECOVERY OF MATERIALS FROM A DESULFURIZATION REACTION	Utility - NSPCT	Canada	Issued	2,593,114	No
1000.2.196	Upgrading of Petroleum Oil Feedstocks Using Alkali Metals and Hydrocarbons	1-Nov-10	United States of America	Issued	8,828,220	S-137,431
1000.2.196BR	Upgrading of Petroleum Oil Feedstocks Using Alkali Metals and Hydrocarbons	1-Nov-10	Brazil	Pending	1120120103440	S-137,431
1000.2.196CA	Upgrading of Petroleum Oil Feedstocks Using Alkali Metals and Hydrocarbons	1-Nov-10	Canada	Pending	2,769,863	S-137,431
1000.2.196CN	Upgrading of Petroleum Oil Feedstocks Using Alkali Metals and Hydrocarbons	1-Nov-10	China	Published	201080049770.5	S-137,431
1000.2.196EP	Upgrading of Petroleum Oil Feedstocks Using Alkali Metals and Hydrocarbons	1-Nov-10	European Patent Office	Pending	10827610.6	S-137,431
1000.2.196IN	Upgrading of Petroleum Oil Feedstocks Using Alkali Metals and Hydrocarbons	1-Nov-10	India	Pending	225/MUMNP/2012	S-137,431
1000.2.196JP	Upgrading of Petroleum Oil Feedstocks Using Alkali Metals and Hydrocarbons	1-Nov-10	Japan	Pending	2012-537170	S-137,431

Docket No.	Title	Filing Date	Country	Status	Application No.	DOE funded
1000.2.196KR	Upgrading of Petroleum Oil Feedstocks Using Alkali Metals and Hydrocarbons	1-Nov-10	Republic of Korea	Pending	10-2012-7012921	S-137,431
1000.2.196VZ	Upgrading of Petroleum Oil Feedstocks Using Alkali Metals and Hydrocarbons	1-Nov-10	Venezuela	Pending	01708-2010	S-137,431
1000.2.196.1	Process to Separate Alkali Metal Salts from Alkali Metal Reacted Hydrocarbons	15-Apr-14	United States of America	Pending	14/253,286 20140224709	S-137,432
1000.2.209	Upgrading Platform Using Alkali Metals	16-Jul-12	United States of America	Issued	8,828,221	S-131,265
1000.2.209CA	Upgrading Platform Using Alkali Metals	Utility - NSPCT	Canada	Pending	2,840,133	S-131,265
1000.2.209EP	Upgrading Platform Using Alkali Metals	Utility - NSPCT	European Patent Office	Pending	12814831.9 EP2732010	S-131,265
1000.2.209JP	Upgrading Platform Using Alkali Metals	Utility - NSPCT	Japan	Pending	2014-520410	S-131,265
1000.2.209KR	Upgrading Platform Using Alkali Metals	Utility - NSPCT	Republic of Korea	Pending	10-2014-7003644	S-131,265
1000.2.209SG	Upgrading Platform Using Alkali Metals	Utility - NSPCT	Singapore	Pending	201400044-2	S-131,265
1000.2.209.1	Upgrading Platform Using Alkali Metals	3-Jul-14	United States of America	Pending	14/323,019	S-131,265
1000.2.211	Device and Method for Upgrading Petroleum Feedstocks Using an Alkali Metal Conductive Membrane	16-Nov-12	United States of America	Pending	13/679,696 20140138284	S-137,433
1000.2.211CA	Device and Method for Upgrading Petroleum Feedstocks Using an Alkali Metal Conductive Membrane	16-Nov-12	Canada	Pending	2,855,966	S-137,433
1000.2.211EP	Device and Method for Upgrading Petroleum Feedstocks Using an Alkali Metal Conductive Membrane	16-Nov-12	European Patent Office	Pending	12849838.3 EP2780434	S-137,433
1000.2.211IN	Device and Method for Upgrading Petroleum Feedstocks Using an Alkali Metal Conductive Membrane	16-Nov-12	India	Pending		S-137,433

Docket No.	Title	Filing Date	Country	Status	Application No.	DOE funded
1000.2.211JP	Device and Method for Upgrading Petroleum Feedstocks Using an Alkali Metal Conductive Membrane	16-Nov-12	Japan	Pending	2014-542519	S-137,433
1000.2.211KR	Device and Method for Upgrading Petroleum Feedstocks Using an Alkali Metal Conductive Membrane	16-Nov-12	Republic of Korea	Pending	10-2014-7015890	S-137,433
1000.2.211SG	Device and Method for Upgrading Petroleum Feedstocks Using an Alkali Metal Conductive Membrane	16-Nov-12	Singapore	Pending	112014023075	S-137,433
1000.2.212	PROCESS FOR DESULFURIZING PETROLEUM FEEDSTOCKS	30-Jan-13	United States of America	Issued	13/753,918 8,747,660	S-131,266
1000.2.212CA	PROCESS FOR DESULFURIZING PETROLEUM FEEDSTOCKS	30-Jan-13	Canada	Pending		S-131,266
1000.2.212EP	PROCESS FOR DESULFURIZING PETROLEUM FEEDSTOCKS	30-Jan-13	European Patent Office	Pending	13744384.2	S-131,266
1000.2.212IN	PROCESS FOR DESULFURIZING PETROLEUM FEEDSTOCKS	30-Jan-13	India	Pending		S-131,266
1000.2.212JP	PROCESS FOR DESULFURIZING PETROLEUM FEEDSTOCKS	30-Jan-13	Japan	Pending		S-131,266
1000.2.212KR	PROCESS FOR DESULFURIZING PETROLEUM FEEDSTOCKS	30-Jan-13	Republic of Korea	Pending	10-2014-7024289	S-131,266
1000.2.212SG	PROCESS FOR DESULFURIZING PETROLEUM FEEDSTOCKS	30-Jan-13	Singapore	Pending		S-131,266
1000.2.215	Integrated Oil Production and Upgrading Using Molten Alkali Metal	12-Jul-13	United States of America	Published	13/940,336 20140014558	S-131,264
1000.2.215PCT	Integrated Oil Production and Upgrading Using Molten Alkali Metal	12-Jul-13	PCT	Published	PCT/US13/50194	S-131,264
1000.2.218	Method of Preventing Corrosion of Oil Pipelines, Storage Structures and Piping	19-Feb-13	United States of America	Published	13/770,610 20130153469	No

Docket No.	Title	Filing Date	Country	Status	Application No.	DOE funded
1000.2.218PCT	Method of Preventing Corrosion of Oil Pipelines, Storage Structures and Piping	19-Feb-13	PCT 30 month National Phase entry date November 16, 2015	Published	WO2014077872	No
1000.2.219.1CIP	Process for Recovering Alkali Metals and Sulfur from Alkali Metal Sulfides and Polysulfides	5-Nov-14	United States of America	Pending	14/533758	S-140,119
1000.2.228	Method to Reduce Alkali Metal Needed for Desulfurization of a High TAN Petroleum Feedstock	24-Nov-14	United States of America	Pending	14/551,410	No
1000.2.228PCT	Method to Reduce Alkali Metal Needed for Desulfurization of a High TAN Petroleum Feedstock	24-Nov-14	PCT	Pending	PCT/US14/67053	No