

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
STEAG ENERGY SERVICES, LLC	09/21/2015
RECEIVING PARTY DATA	
Name:	STEAG ENERGY SERVICES GMBH
Street Address:	RUTTENSCHIEDER STRASSE 1-3
City:	ESSEN
State/Country:	GERMANY
Postal Code:	45128
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	8389431
CORRESPONDENCE DATA	
Fax Number:	(412)355-6501
<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>	
Phone:	(412) 355-6272
Email:	piuspatents@klgates.com
Correspondent Name:	K&L GATES LLP - GARY A. NITOWSKI
Address Line 1:	210 SIXTH AVENUE
Address Line 2:	K&L GATES CENTER
Address Line 4:	PITTSBURGH, PENNSYLVANIA 15222-2613
ATTORNEY DOCKET NUMBER:	2831089.00065
NAME OF SUBMITTER:	GARY A. NITOWSKI
SIGNATURE:	/Gary A. Nitowski/
DATE SIGNED:	09/22/2015
Total Attachments: 3	
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ASSIGNMENT

This Assignment of Patent and Litigation Rights (this “**Assignment**”) is made as of this 21st day of September, 2015, by STEAG Energy Services, LLC, a limited liability company organized and existing under the laws of the state of North Carolina of the United States of America, having a principal place of business at 304 Linwood Road, Suite 102, P.O. Box 1727, Kings Mountain, North Carolina 28086 (the “**Assignor**”), to STEAG Energy Services GmbH, a company organized and existing under the laws of the Federal Republic of Germany, having a principal place of business at Rüttenscheider Strasse 1-3, 45128 Essen, Germany (the “**Assignee**”).

WHEREAS, Assignor desires to transfer and assign to the Assignee all of Assignor’s worldwide rights, title and interests in, to and under United States Patent No. 8,389,431 (the “**Patent**”); and

WHEREAS, Assignee desires to accept the transfer and assignment of, all of Assignor’s worldwide rights, title and interests in, to and under the Patent.

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged:

Assignor does hereby transfer and assign to the Assignee all of Assignor’s rights, title and interests in, to and under the Patent, and any and all improvements thereto, reissues, continuations, continuations-in-part, reexaminations, renewals and extensions thereof, in the United States or worldwide, the same to be held and enjoyed by the Assignee, its successors and assigns from and after the date hereof as fully and entirely as the same would have been held and enjoyed by the Assignor had this Assignment not been made.

Assignor does further hereby transfer, assign, endorse, sell, set over and convey unto the Assignee, any and all of the Assignor's litigation rights and any claims in, to and under the Patent, whether arising prior to or subsequent to the date of this Assignment, including the right to sue for damages for past infringement, the same to be held and enjoyed by the Assignee, its successors and assigns from and after the date hereof as fully and entirely as the same would have been held and enjoyed by the Assignor had this Assignment not been made.

The Assignor has caused its duly authorized officer to execute this Assignment as of the date first above written.

Assignor: STEAG Energy Services, LLC

By: [Signature] (SEAL)
Typed/Printed Name: Brigitte Hartenstein
Title: Chief Financial Officer



STATE OF North Carolina
COUNTY OF Cleveland

I, William J. Carter III a Notary Public of the County and State aforesaid, certify that Brigitte Hartenstein personally came before me this day and acknowledged that he/she is Chief Financial Officer of STEAG Energy Services, LLC, and that he/she, as Chief Financial Officer, being authorized to do so, executed the foregoing instrument on behalf of the entity.

Witness my hand and official seal, this 21st day of September, 2015.

[NOTARY SEAL]

[Signature]
Notary Public
Typed/Printed Name: William J. Carter III

My commission expires: 4-5-2020

Assignee: STEAG Energy Services GmbH

By: U. Sigel (SEAL)
Typed/Printed Name: Ulrich Sigel
Title: Managing Director

STATE OF North Carolina
COUNTY OF Cleveland

I, William J. Carter III a Notary Public of the County and State aforesaid, certify that Ulrich Sigel personally came before me this day and acknowledged that he/~~she~~ is Managing Director of STEAG Energy Services GmbH, and that he/~~she~~, as Managing Director, being authorized to do so, executed the foregoing instrument on behalf of the entity.

Witness my hand and official seal, this 21st day of September, 2015.

[NOTARY SEAL]

William J. Carter III
Notary Public
Typed/Printed Name: William J. Carter III

My commission expires: 4-5-2020.