PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5393170

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID J. COLE	08/15/2006
CHRISTOPHER S. CALDWELL	08/15/2006
MICHAEL B. FOLEY	08/15/2006

RECEIVING PARTY DATA

Name:	RTI ENERGY SYSTEMS, INC.
Street Address:	7211 SPRING CYPRESS ROAD
City:	SPRING
State/Country:	TEXAS
Postal Code:	77379

PROPERTY NUMBERS Total: 3

Property Type	Number
Patent Number:	8100437
Patent Number:	8424919
Patent Number:	8857862

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	16-114587US/CON,CON2,CON3
NAME OF SUBMITTER:	LENNIE A. BERSH
SIGNATURE:	/Lennie A. Bersh/
DATE SIGNED:	02/26/2019

Total Attachments: 2

PATENT REEL: 048439 FRAME: 0098 source=16-114587-US_Assignment#page1.tif source=16-114587-US_Assignment#page2.tif

PATENT REEL: 048439 FRAME: 0099

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
EFFECTIVE DATE:	08/15/2006

CONVEYING PARTY DATA

Name	Execution Date
David J. Cole	08/15/2006
Christopher S. Caldwell	08/15/2006
Michael B. Foley	08/15/2006

RECEIVING PARTY DATA

Name:	RTI Energy Systems, Inc.
Street Address:	7211 Spring Cypress Road
City:	Spring
State/Country:	TEXAS
Postal Code:	77379

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11414315

CORRESPONDENCE DATA

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NAME OF SUBMITTER: C. James Bushman

Total Attachments: 1 source=ASSIGN#page1.tif

REEL: 048483 FRANTE: 01897

500184215

Attorney Docket No.: RTI-18

ASSIGNMENT

WHEREAS we, Michael E. Beard, David J. Cole, Christopher S. Caldwell and Michael B. Foley have made an invention entitled **MARINE RISER ASSEMBLY** for which we have filed an application for United States Letters Patent.

WHEREAS, we represent and warrant that we are the owners of said invention and application for Letters Patent;

WHEREAS, RTI Energy Systems, Inc., a corporation of the State of Ohio, hereinafter referred to as "ASSIGNEE," of 7211 Spring Cypress Road, Spring, Texas 77379, is desirous of acquiring the same;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by us, we have assigned, sold, transferred and set over and by these presents do assign, sell, transfer and set over unto said ASSIGNEE the entire right, title and interest in and to (a) said invention and worldwide rights therein, (b) said application, including all divisions, continuations, continuations-in-part and substitutions thereof, and (c) all United States and foreign patents which shall issue on said inventions, including all reissues, renewals and extensions thereof, for the United States, its territories and possessions and all foreign countries, including the right to file applications for Letters Patent on said invention in any and all foreign countries, the same to be held and enjoyed by said ASSIGNEE, its assigns and successors, as fully and entirely as the same would have been held and enjoyed by us, had this assignment and sale not been made.

Each of us covenants and agrees that he will, at any time upon the request and at the expense of said ASSIGNEE, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable, in the opinion of said ASSIGNEE, to enable and assist said ASSIGNEE to (a) obtain Letters Patent, both domestic and foreign, on said invention, (b) establish, maintain and secure title in said ASSIGNEE, its successors and assigns, to said invention, application and Letters Patent, including making such title of lawful public record, and (c) defend, establish or otherwise preserve the validity of said Letters Patent against any and all infringers, and perform such other acts as are necessary to give full force and effect to this assignment.

We hereby authorize and request the Commissioner of Patents of the United States to issue all Letters Patent based on said application and all said divisions, continuations, continuations-in-part, reissues, renewals and extension to said ASSIGNEE, its successors and assigns.

IN TESTIMONY WHEREOF, we have duly executed this assignment as set forth below:

Date:	
-	Michael E. Beard
Date: 8/15/06	May life
	David J. Col
Date: 8 (15/06	
	Christopher S. Caldwell
Date: 8/15/06	M. F.
(Michael B. Foley
	1 /