

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM338257

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
FTS International Services, LLC		03/31/2015	LIMITED LIABILITY COMPANY:
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	U.S. Bank National Association		
<b>Street Address:</b>	1349 W. Peachtree Street, NW		
<b>Internal Address:</b>	Suite 1050		
<b>City:</b>	Atlanta		
<b>State/Country:</b>	GEORGIA		
<b>Postal Code:</b>	30309		
<b>Entity Type:</b>	National Banking Association: UNITED STATES		
<b>PROPERTY NUMBERS Total: 44</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	4416031	AQUACOR	
<b>Registration Number:</b>	4416030	AQUACOR	
<b>Registration Number:</b>	4054905	CHL	
<b>Registration Number:</b>	3497579	CITRINE	
<b>Registration Number:</b>	3322250	CS-POLYBREAK 210	
<b>Registration Number:</b>	4636429	DIAMOND	
<b>Registration Number:</b>	4451132	DIAMOND	
<b>Registration Number:</b>	4189683	ECO GREEN	
<b>Registration Number:</b>	4675488	ENERGIZE YOUR CAREER	
<b>Registration Number:</b>	4151986	ENERGY SOLUTIONS. WORLDWIDE.	
<b>Registration Number:</b>	4193471	F	
<b>Registration Number:</b>	4193472	F	
<b>Registration Number:</b>	4185461	F	
<b>Registration Number:</b>	4204838	F	
<b>Registration Number:</b>	4313998	F FTS INTERNATIONAL	
<b>Registration Number:</b>	4318050	F FTS INTERNATIONAL	
<b>Registration Number:</b>	4313999	F FTS INTERNATIONAL	
<b>Registration Number:</b>	4314000	F FTS INTERNATIONAL	
<b>TRADEMARK</b>			

CH \$1115.00 4416031

Property Type	Number	Word Mark
Registration Number:	4636479	F FTS INTERNATIONAL UNCONVENTIONAL BY DE
Registration Number:	4011448	FRAC TECH
Registration Number:	3522979	FT FRAC TECH
Registration Number:	4313997	FTS INTERNATIONAL
Registration Number:	4471425	FTS INTERNATIONAL MANUFACTURING
Registration Number:	4329229	FTS INTERNATIONAL PROPPANTS
Registration Number:	4332747	FTS INTERNATIONAL SERVICES
Registration Number:	4388204	FTS INTERNATIONAL WIRELINE
Registration Number:	4332750	FTSI
Registration Number:	4290177	FTSI PROPPANTS
Registration Number:	3437249	JADE
Registration Number:	4214082	NPD
Registration Number:	4108769	NPD-2000
Registration Number:	4177022	NPD-3000
Registration Number:	3428709	OPAL
Registration Number:	4210164	PFP
Registration Number:	3393387	PLATINUM
Registration Number:	3383301	RUBY
Registration Number:	4159362	SLICKWATER GREEN
Registration Number:	4159141	SW-GREEN
Registration Number:	3393386	TURQUOISE
Registration Number:	4018863	VS
Serial Number:	86314435	JOBPILOT
Serial Number:	86422348	FTSI JP JOBPILOT
Serial Number:	86436112	NUFLO
Serial Number:	86469748	UNCONVENTIONAL BY DESIGN

**CORRESPONDENCE DATA**

Fax Number: 2149695100

*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: 2149694804

Email: aaaugustine@jonesday.com

Correspondent Name: Jones Day

Address Line 1: 2727 North Harwood Street

Address Line 4: Dallas, TEXAS 75201

ATTORNEY DOCKET NUMBER: 867741-610002

NAME OF SUBMITTER: David L. Odom

SIGNATURE: /David L. Odom/

<b>DATE SIGNED:</b>	04/15/2015
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**Total Attachments: 7**

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**TRADEMARK SECURITY AGREEMENT**

This TRADEMARK SECURITY AGREEMENT (this "Trademark Security Agreement") is made this 31st day of March, 2015, by and among FTS International Services, LLC, as Grantor, (the "Grantor"), and U.S. BANK NATIONAL ASSOCIATION, a national banking association ("US Bank"), in its capacity as agent for the Noteholders (as defined below) (in such capacity, together with its successors and assigns in such capacity, "Agent").

WITNESSETH:

WHEREAS, pursuant to that certain Indenture dated as of April 16, 2014 (as amended, restated, supplemented, or otherwise modified from time to time, the "Indenture") by and among FTS INTERNATIONAL, INC., a Delaware corporation as issuer (the "Issuer") the guarantors party thereto and US Bank as trustee, the Issuer has issued \$500,000,000 aggregate principal amount of its 6.250 % Senior Secured Notes due 2022 (the "Notes"); and

WHEREAS, Grantor has agreed, under that certain Security Agreement dated as of April 16, 2014 (the "Security Agreement"), to grant to Agent, for the benefit of the Trustee, Agent and the holders of the Notes (the "Noteholders"), a continuing security interest in and to the Collateral in order to secure the prompt and complete payment, observance and performance of, among other things, the Secured Obligations; and

WHEREAS, pursuant to the Security Agreement, Grantor is required to execute and deliver to Agent, for the benefit of the Trustee, Agent and the Noteholders, this Trademark Security Agreement;

NOW, THEREFORE, in consideration of the premises and mutual covenants herein contained and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Grantor hereby agrees as follows:

1. DEFINED TERMS. All initially capitalized terms used but not otherwise defined herein have the meanings given to them in the Security Agreement or, if not defined therein, in the Indenture, and this Trademark Security Agreement shall be subject to the rules of construction set forth in Section 1(b) of the Security Agreement, which rules of construction are incorporated herein by this reference, *mutatis mutandis*.

2. GRANT OF SECURITY INTEREST IN TRADEMARK COLLATERAL. Grantor hereby unconditionally grants, assigns, and pledges to Agent, for the benefit of the Trustee, Agent and the Noteholders, to secure the Secured Obligations, a continuing security interest (referred to in this Trademark Security Agreement as the "Security Interest") in all of Grantor's right, title and interest in and to the following, whether now owned or hereafter acquired or arising (collectively, the "Trademark Collateral"):

(a) all of its Trademarks and Trademark Intellectual Property Licenses to which it is a party including those referred to on Schedule I;

(b) all goodwill of the business connected with the use of, and symbolized by, each Trademark and each Trademark Intellectual Property License, and

(c) all products and proceeds (as that term is defined in the Code) of the foregoing, including any claim by Grantor against third parties for past, present or future (i) infringement or dilution of any Trademark or any Trademarks exclusively licensed under any Intellectual Property License, including right to receive any damages, (ii) injury to the goodwill associated with any Trademark, or (iii) right to receive license fees, royalties, and other compensation under any Trademark Intellectual Property License,

in each case, to the extent that such property constitutes ABL Collateral.

3. SECURITY FOR SECURED OBLIGATIONS. This Trademark Security Agreement and the Security Interest created hereby secures the payment and performance of the Secured Obligations, whether now existing or arising hereafter. Without limiting the generality of the foregoing, this Trademark Security Agreement secures the payment of all amounts which constitute part of the Secured Obligations and would be owed by Grantor to Agent or the Trustee, or to any Noteholder, or any of them, whether or not they are unenforceable or not allowable due to the existence of an Insolvency or Liquidation Proceeding involving Grantor.

4. SECURITY AGREEMENT. The Security Interest granted pursuant to this Trademark Security Agreement is granted in conjunction with the security interests granted to Agent, for the benefit of the Trustee, Agent and the Noteholders, pursuant to the Security Agreement. Grantor hereby acknowledges and affirms that the rights and remedies of Agent with respect to the Security Interest in the Trademark Collateral made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. To the extent there is any inconsistency between this Trademark Security Agreement and the Security Agreement, the Security Agreement shall control.

5. AUTHORIZATION TO SUPPLEMENT. If Grantor shall obtain rights to any new trademarks, the provisions of this Trademark Security Agreement shall automatically apply thereto. Grantor shall give prompt notice in writing to Agent with respect to any such new trademarks or renewal or extension of any trademark registration. Without limiting Grantor's obligations under this Section, Grantor hereby authorizes Agent unilaterally to modify this Trademark Security Agreement by amending Schedule I to include any such new trademark rights of Grantor. Notwithstanding the foregoing, no failure to so modify this Trademark Security Agreement or amend Schedule I shall in any way affect, invalidate or detract from Agent's continuing security interest in all Collateral, whether or not listed on Schedule I.

6. COUNTERPARTS. This Trademark Security Agreement is an Indenture Document. This Trademark Security Agreement may be executed in any number of counterparts and by different parties on separate counterparts, each of which, when executed and delivered, shall be deemed to be an original, and all of which, when taken together, shall constitute but one and the same Trademark Security Agreement. Delivery of an executed counterpart of this Trademark Security Agreement by telefacsimile or other electronic method of transmission shall be equally as effective as delivery of an original executed counterpart of this Trademark Security

Agreement. Any party delivering an executed counterpart of this Trademark Security Agreement by telefacsimile or other electronic method of transmission also shall deliver an original executed counterpart of this Trademark Security Agreement but the failure to deliver an original executed counterpart shall not affect the validity, enforceability, and binding effect of this Trademark Security Agreement.

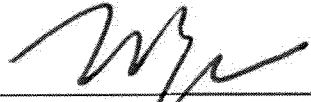
7. CHOICE OF LAW AND VENUE, JURY TRIAL WAIVER, AND JUDICIAL REFERENCE PROVISION. THIS TRADEMARK SECURITY AGREEMENT SHALL BE SUBJECT TO THE PROVISIONS REGARDING CHOICE OF LAW AND VENUE, JURY TRIAL WAIVER, AND JUDICIAL REFERENCE SET FORTH IN SECTION 25 OF THE SECURITY AGREEMENT, AND SUCH PROVISIONS ARE INCORPORATED HEREIN BY THIS REFERENCE, *MUTATIS MUTANDIS*.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the parties hereto have caused this Trademark Security Agreement to be executed and delivered as of the day and year first above written.

**GRANTOR:**

**FTS INTERNATIONAL SERVICES, LLC**

By:   
Name: Michael J. Doss  
Title: Chief Financial Officer

**AGENT:**

**ACCEPTED AND ACKNOWLEDGED BY:**

**U.S. BANK NATIONAL ASSOCIATION, a  
national banking association**

By: \_\_\_\_\_  
Name:  
Title:

[SIGNATURE PAGE TO TRADEMARK SECURITY AGREEMENT]

DLI-266522323v3

**TRADEMARK  
REEL: 005497 FRAME: 0969**

IN WITNESS WHEREOF, the parties hereto have caused this Trademark Security Agreement to be executed and delivered as of the day and year first above written.

**GRANTOR:**

**FTS INTERNATIONAL SERVICES, LLC**

By:   
Name: Michael Doss  
Title: Chief Financial Officer

**AGENT:**

**ACCEPTED AND ACKNOWLEDGED BY:**

**U.S. BANK NATIONAL ASSOCIATION**, a  
national banking association *as Agent*

By:   
Name: **Muriel Shaw**  
Title: **Assistant Vice President**

[SIGNATURE PAGE TO TRADEMARK SECURITY AGREEMENT]

DU-266522323v3

**TRADEMARK**  
**REEL: 005497 FRAME: 0970**



**SCHEDULE I**

**TRADEMARK SECURITY AGREEMENT**

**Trademark Registrations/Applications**

**UNITED STATES TRADEMARKS**

U.S. Registrations:

<b>Owner</b>	<b>Registration Number</b>	<b>Description</b>
FTS International Services, LLC	4416031	Aquacor (design in blue)
FTS International Services, LLC	4416030	Aquacor
FTS International Services, LLC	4054905	CHL
FTS International Services, LLC	3497579	CITRINE
FTS International Services, LLC	3322250	CS-POLYBREAK 210
FTS International Services, LLC	4636429	DIAMOND
FTS International Services, LLC	4451132	DIAMOND design
FTS International Services, LLC	4189683	ECO GREEN
FTS International Services, LLC	4675488	ENERGIZE YOUR CAREER
FTS International Services, LLC	4151986	ENERGY SOLUTIONS. WORLDWIDE.
FTS International Services, LLC	4193471	"F" (shield design)
FTS International Services, LLC	4193472	"F" (shield design in color)
FTS International Services, LLC	4185461	"F" (stylized design)
FTS International Services, LLC	4204838	"F" (stylized design in color)
FTS International Services, LLC	4313998	F FTS INTERNATIONAL (horizontal design plus words)
FTS International Services, LLC	4318050	F FTS INTERNATIONAL (horizontal design plus words in color)
FTS International Services, LLC	4313999	F FTS INTERNATIONAL (vertical design plus words)
FTS International Services, LLC	4314000	F FTS INTERNATIONAL (vertical design plus words in color)
FTS International Services, LLC	4636479	F FTS INTERNATIONAL Unconventional by Design (horizontal design plus words)
FTS International Services, LLC	4011448	FRAC TECH

<b>Owner</b>	<b>Registration Number</b>	<b>Description</b>
FTS International Services, LLC	3522979	FT Frac Tech (logo & design)
FTS International Services, LLC	4313997	FTS INTERNATIONAL
FTS International Services, LLC	4471425	FTS INTERNATIONAL MANUFACTURING
FTS International Services, LLC	4329229	FTS INTERNATIONAL PROPPANTS
FTS International Services, LLC	4332747	FTS INTERNATIONAL SERVICES
FTS International Services, LLC	4388204	FTS INTERNATIONAL WIRELINE
FTS International Services, LLC	4332750	FTSI
FTS International Services, LLC	4290177	FTSI PROPPANTS
FTS International Services, LLC	3437249	JADE
FTS International Services, LLC	4214082	NPD
FTS International Services, LLC	4108769	NPD-2000
FTS International Services, LLC	4177022	NPD-3000
FTS International Services, LLC	3428709	OPAL
FTS International Services, LLC	4210164	PFP
FTS International Services, LLC	3393387	PLATINUM
FTS International Services, LLC	3383301	RUBY
FTS International Services, LLC	4159362	SLICKWATER GREEN
FTS International Services, LLC	4159141	SW-GREEN
FTS International Services, LLC	3393386	TURQUOISE
FTS International Services, LLC	4018863	VS (design)

U.S. Applications:

<b>Owner</b>	<b>Application Number</b>	<b>Description</b>
FTS International Services, LLC	86/314,435	JobPilot
FTS International Services, LLC	86/422,348	JobPilot (design)
FTS International Services, LLC	86/436,112	NuFlo
FTS International Services, LLC	86/469,748	Unconventional by Design (word)