505682683 09/20/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5729491

SUBMISSION TYPE:		NEW ASSIGNMENT	
ATURE OF CONVEYANC	CE:	ASSIGNMENT	
CONVEYING PARTY DA	TA		
		Name	Execution Date
PHILLIP D. NGUYEN			04/24/2017
LOAN K. VO			04/24/2017
RAJENDER SALLA			04/24/2017
RECEIVING PARTY DAT	A		
Name:	HALLIBURTON ENERGY SERVICES, INC.		
Street Address:	3000 NORTH SAM HOUSTON PARKWAY EAST		
City:	HOUSTON		
State/Country:	TEXAS		
Postal Code:	77032-3219)	
PROPERTY NUMBERS 1 Property Type	fotal: 1	Number	7
		Number 95992	
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Property Type Application Number: CORRESPONDENCE DA Fax Number: <i>Correspondence will be using a fax number, if pr</i> Phone: Email: Correspondent Name:	TA sent to the rovided; if t 713- Pate CHA 1200	95992 e-mail address first; if that is un that is unsuccessful, it will be se 658-1818 ents@chamberlainlaw.com MBERLAIN HRDLICKA HALLIBL	ent via US Mail.
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DATE SIGNED:

Total Attachments: 6

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ASSIGNMENT

For good and valuable consideration given to me by Halliburton Energy Services, Inc., and any other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, Philip D. Nguyen ("ASSIGNOR"), having jointly or solely made an invention in "Downhole Methods for Forming Resin Coatings on Fracture Surfaces" ("INVENTION"), while in the employ or hire either as an employee or consultant of Halliburton Energy Services, Inc., a corporation organized and existing under the laws of the State of Delaware, doing business at 3000 N. Sam Houston Parkway E., Houston, Texas 77032-3219, US ("ASSIGNEE"), do hereby assign, sell, and convey to ASSIGNEE, its successors, and assigns, ASSIGNOR's entire right, title, and interest throughout the world in and to:

- 1. Said INVENTION in "Downhole Methods for Forming Resin Coatings on Fracture Surfaces;"
- 2. Utility patent application on said INVENTION entitled, "Downhole Methods for Forming Resin Coatings on Fracture Surfaces," filed as:¹

US Patent Application No. PCT/US2017/028841

Date: April 21, 2017

Attorney's Reference No. 140846-044400WO;

- 3. All applications for patent or like protection on the INVENTION that have now been or may in the future be made anywhere in the world, including any continuation, continuation-in-part, and any other utility applications;
- 4. All patents and like protection that have now been or may in the future be granted on the INVENTION anywhere in the world;
- 5. All substitutions, divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of the applications and patents and like grants, including without limitation, those obtained or permissible under past, present, and future laws and statutes;

¹ ASSIGNOR further authorizes the handling attorneys to insert the serial number and filing date of the patent application identified by the listed file numbed as soon as it is known as well as to attach and update a schedule of any further application serial numbers or patent numbers related to the INVENTION as they become known.

- 6. All rights of action on account of past, present, and future unauthorized use of the INVENTION and for infringement of the patents and like protection anywhere in the world;
- 7. The right in ASSIGNEE to file in its name applications for patents and like protection for the INVENTION in any country or countries in the world; and
- 8. All rights of priority associated with the INVENTION, applications, patents, and like protection anywhere in the world.

ASSIGNOR covenants that ASSIGNOR, its heirs, legal representatives, assigns, administrators, and executors will, at the expense of ASSIGNEE, its successors, and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors, and assigns, the full benefit of this Assignment. Further, ASSIGNOR warrants that the INVENTION is not encumbered by another assignment or obligation of assignment to a third-party and that ASSIGNOR has the full ability and authority to assign and encumber the INVENTION.

ASSIGNOR: A. A. Name: Philip D. Nguyen Date: April 24, 2017 THE STATE OF: Texas COUNTY OF: _________ Before me, the undersigned authority, on this day personally appeared Philip D. Nguyen, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office, this the $\frac{24^{\text{m}}}{\text{M}}$ day of $\frac{\text{Apr: 1}}{\text{M}}$, 2017. Notary Public in and for the State of TEXAS ALEX WEBSTER NOTARY PUBLIC, STATE OF TEXAB MY COMMISSION EXPIRES JANUARY 04, 2020 ID #12884075-3 [SEAL]

Page 2 of 2

PATENT REEL: 050442 FRAME: 0900

ASSIGNMENT

For good and valuable consideration given to me by Halliburton Energy Services, Inc., and any other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, Loan K. Vo ("ASSIGNOR"), having jointly or solely made an invention in "Downhole Methods for Forming Resin Coatings on Fracture Surfaces" ("INVENTION"), while in the employ or hire either as an employee or consultant of Halliburton Energy Services, Inc., a corporation organized and existing under the laws of the State of Delaware, doing business at 3000 N. Sam Houston Parkway E., Houston, Texas 77032-3219, US ("ASSIGNEE"), do hereby assign, sell, and convey to ASSIGNEE, its successors, and assigns, ASSIGNOR's entire right, title, and interest throughout the world in and to:

- 1. Said INVENTION in "Downhole Methods for Forming Resin Coatings on Fracture Surfaces;"
- 2. Utility patent application on said INVENTION entitled, "Downhole Methods for Forming Resin Coatings on Fracture Surfaces," filed as:¹

Patent Application No. PCT/US2017/028841

Date: April 21, 2017

Attorney's Reference No. 140846-044400WO;

- 3. All applications for patent or like protection on the INVENTION that have now been or may in the future be made anywhere in the world, including any continuation, continuation-in-part, and any other utility applications;
- 4. All patents and like protection that have now been or may in the future be granted on the INVENTION anywhere in the world;
- 5. All substitutions, divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of the applications and patents and like grants, including without limitation, those obtained or permissible under past, present, and future laws and statutes;

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- 7. The right in ASSIGNEE to file in its name applications for patents and like protection for the INVENTION in any country or countries in the world; and
- 8. All rights of priority associated with the INVENTION, applications, patents, and like protection anywhere in the world.

ASSIGNOR covenants that ASSIGNOR, its heirs, legal representatives, assigns, administrators, and executors will, at the expense of ASSIGNEE, its successors, and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors, and assigns, the full benefit of this Assignment. Further, ASSIGNOR warrants that the INVENTION is not encumbered by another assignment or obligation of assignment to a third-party and that ASSIGNOR has the full ability and authority to assign and encumber the INVENTION.

ASSIGNOR. ACC
ASSIGNOR:
Name: Loan K. Vo
Date: $4/24/17$
THE STATE OF: 7 RX (1)
COUNTY OF: Harris
Before me, the undersigned authority, on this day personally appeared $\frac{1}{\sqrt{0}}$, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.
Given under my hand and seal of office, this the $\frac{2^{\mu}}{M}$ day of $\frac{April}{M}$, 2011.
ALEX WEBSTER NOTARY PUBLIC, STATE OF TEXAS MY COMMISSION EXPIRES JANUARY 04, 2020 ID #12884075-3 My commission expires:

[SEAL]

Page 2 of 2

PATENT REEL: 050442 FRAME: 0902

ASSIGNMENT

For good and valuable consideration given to me by Halliburton Energy Services. Inc., and any other valuable consideration, the receipt and sufficiency of which are hereby acknowledged. I., Rajender Salla ("ASSIGNOR"), having jointly or solely made an invention in "Downhole Methods for Forming Resin Coatings on Fracture Surfaces" ("INVENTION"), while in the employ or hireeither as an employee or consultant of Halliburton Energy Services. Inc., a corporation organized and existing under the laws of the State of Delaware, doing business at 3000 N. Sam Houston Parkway E., Houston, Texas 77032-3219, US ("ASSIGNEE"), do hereby assign, sell, and convey to ASSIGNEE, its successors, and assigns, ASSIGNOR's entire right, title, and interest throughout the world in and to:

- Said INVENTION in "Downnoie Methods for Forming Kesin Coatings on Fracture Surfaces;"
- Utility patent application on said INVENTION entitled, "Downhole Methods for Forming Resin Coatings on Fracture Surfaces," filed as:⁴

Patent Application No. PCT/US2017/028841

Date: April 21, 2017

Attorney's Reference No.140846-044400WO;

- All applications for patent or like protection on the INVENTION that have now been or may in the future be made anywhere in the world, including any continuation, continuation-in-part, and any other utility applications;
- 4. All patents and like protection that have now been or may in the future be granted on the INVENTION anywhere in the world;
- 5. All substitutions, divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of the applications and patents and like grants, including without limitation, those obtained or permissible under past, present, and future laws and statutes:

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- The right in ASSIGNEE to file in its name applications for patents and like protection for the INVENTION in any country or countries in the world: and
- 8. All rights of priority associated with the INVENTION, applications, patents, and like protection anywhere in the world.

ASSIGNOR covenants that ASSIGNOR, its heirs, legal representatives, assigns, administrators, and executors will, at the expense of ASSIGNEE, its successors, and assigns, execute all papers and perform such officer acts us may be reasonably necessary to give ASSIGNEE, its successors, and assigns, the full benefit of this Assignment. Further, ASSIGNOR warrants that the INVENTION is not encumbered by another assignment or obligation of assignment to a third-party and that ASSIGNOR has the full ability and authority to assign and encumber the INVENTION.

aby-2 ASSIGNOR: Name: Rajender Salla

244 Agril, 2017 Date:

Witnessed By

Date: 2415 APR 2017

Vilas Rantenles Printed Name of Witness

Witnessed By: Signature

SIDDHALTH LOY Printed Name of Witness

Date: 24 * April 2017

Page 2 of 2

RECORDED: 09/20/2019