

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6457935

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOHN T. HARDESTY	08/26/2019
WENBO YANG	10/10/2019
JAMES A. ROLLINS	08/26/2019
KEVIN WUTHERICH	12/17/2020
ROSS HARVEY	12/20/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GEODYNAMICS, INC.
<b>Street Address:</b>	10400 WEST I-20
<b>City:</b>	MILLSAP
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	76066
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16483082
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(888)232-9785
<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>	5403611863
<b>Email:</b>	Joann@ppblaw.com
<b>Correspondent Name:</b>	PATENT PORTFOLIO BUILDERS PLLC
<b>Address Line 1:</b>	P.O. BOX 7999
<b>Address Line 4:</b>	FREDERICKSBURG, VIRGINIA 22404
<b>ATTORNEY DOCKET NUMBER:</b>	0343-044-2/0168
<b>NAME OF SUBMITTER:</b>	JO ANN ENNIS
<b>SIGNATURE:</b>	/JOANNENNIS/
<b>DATE SIGNED:</b>	12/18/2020
<b>Total Attachments: 7</b>	
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**PATENT**

**REEL: 054690 FRAME: 0019**

ASSIGNMENT

In accordance with my obligations under an Employee Innovation and Proprietary Information Agreement or (as applicable) arising out of other agreements (such as, but not limited to, the Services Agreement between GEODYNAMICS, INC., a Delaware incorporated U.S. corporation, and my employer), and/or for other good and valuable consideration of which I/we acknowledge receipt, I/we,

**John T. HARDESTY of Fort Worth, TX, USA**

**Wenbo YANG of Kennedale, TX, USA**

**James A. ROLLINS of Lipan, TX, USA**

**Kevin WUTHERICH of Millsap, TX, USA**

**Ross HARVEY of Millsap, TX, USA**

hereby sell and assign to **GEODYNAMICS, INC.**, having an address at 10400 West I-20, Millsap Texas, 76066 hereinafter referred to as "Company", its successors and assigns my/our entire respective rights, titles and interests in and to the invention and improvements invented and originated by me and described in the US Patent Application No. 16/483,082 for United States Patent currently entitled:

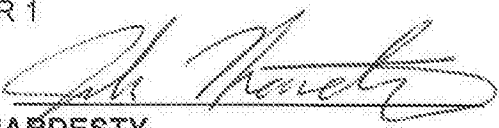
**PROPPANT TRANSPORT EFFICIENCY SYSTEM AND METHOD**

filed on August 2, 2019,

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Company, its successors, or assigns. Further, I/we agree to execute all divisional, continuation, reexamination and reissue applications, and to make all rightful oaths related to obtaining proper patent protection for said invention and its improvements in all countries.

The undersigned hereby grant(s) the law firm of Patent Portfolio Builders the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

INVENTOR 1

Signature:   
John T. HARDESTY

Date: 8/26/2019

Witnessed by: \_\_\_\_\_  
Signature

Date: \_\_\_\_\_

Printed Name of Witness

Witnessed by: \_\_\_\_\_  
Signature

Date: \_\_\_\_\_

Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

  
John T. HARDESTY

Date: 8/26/2019

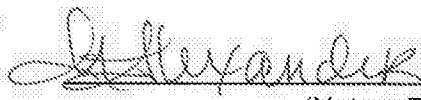
STATE OF TEXAS

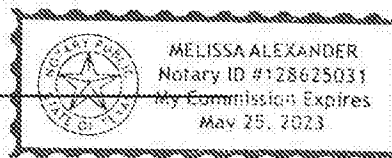
ss.

COUNTY OF PARKER

This 26<sup>th</sup> day of AUGUST, 2019, before me personally came the above-named **John T. HARDESTY**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

  
(Notary Public)



TITLE: PROPPANT TRANSPORT EFFICIENCY SYSTEM AND METHOD

INVENTOR 2

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Wenbo YANG

Witnessed by: \_\_\_\_\_

Date: \_\_\_\_\_

Signature

Printed Name of Witness

Witnessed by: \_\_\_\_\_

Date: \_\_\_\_\_

Signature

Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

Wenbo YANG  
Wenbo YANG

Date: 10/10/2019

STATE OF TEXAS

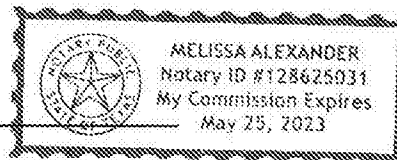
ss.

COUNTY OF PARKER

This 10<sup>th</sup> day of OCTOBER, 2019 before me personally came the above-named **Wenbo YANG**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Melissa Alexander  
(Notary Public)



TITLE: PROPPANT TRANSPORT EFFICIENCY SYSTEM AND METHOD

INVENTOR 3

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

James A. ROLLINS

Witnessed by: \_\_\_\_\_

Date: \_\_\_\_\_

Signature

Printed Name of Witness

Witnessed by: \_\_\_\_\_

Date: \_\_\_\_\_

Signature

Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

James A. Rollins  
James A. ROLLINS

Date: 8/26/2019

STATE OF TEXAS

ss.

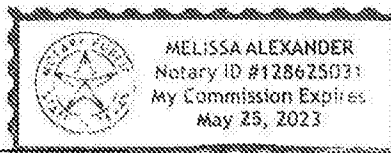
COUNTY OF PARKER

This 26<sup>th</sup> day of AUGUST, 2019 before me personally came the above-named **James A. ROLLINS**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

Melissa Alexander

(Notary Public)



**TITLE: PROPPANT TRANSPORT EFFICIENCY SYSTEM AND METHOD**

INVENTOR 4

Signature: [Signature]  
**Kevin WUTHERICH**

Date: 12/17/2020

Witnessed by: [Signature]  
Signature

Date: 12/17/2020

Tracy Wutherich  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 12/17/2020

Betty Lindsey  
Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

\_\_\_\_\_  
**Kevin WUTHERICH**

Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named **Kevin WUTHERICH**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)

**TITLE: PROPPANT TRANSPORT EFFICIENCY SYSTEM AND METHOD**

INVENTOR 5

Signature: *Ross Harvey* Date: 12/20/2019  
**Ross HARVEY**

Witnessed by: *Danielle Reyna* Date: 12/20/2019  
Signature

*Danielle Reyna*  
Printed Name of Witness

Witnessed by: *Michael D Wonsky* Date: 12/20/2019  
Signature

*Michael Wonsky*  
Printed Name of Witness

**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

\_\_\_\_\_  
**Ross HARVEY** Date: \_\_\_\_\_

STATE OF

ss.

COUNTY OF

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me personally came the above-named, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

\_\_\_\_\_  
(Notary Public)



TITLE: PROPPANT TRANSPORT EFFICIENCY SYSTEM AND METHOD

ACCEPTED BY:

GEODynamics, Inc.

Date:

8/26/2019

By:



John T. Hardesty  
Vice President of Engineering and  
Product Development

Witnessed by:

Date:

Signature

Printed Name of Witness

Witnessed by:

Date:

Signature

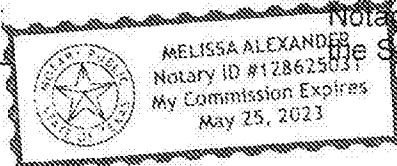
Printed Name of Witness


**SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY**

This instrument was acknowledged before me on AUGUST 21<sup>st</sup>  
2019, by **John T. Hardesty**, Vice President of Engineering and Product Development of  
**GEODynamics, Inc.**, a Delaware corporation, on behalf of said corporation.

My Commission Expires:

MAY 25, 2023



  
Notary Public in and for  
the State of TEXAS