

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3753748

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PAUL E. VOGT	01/29/2016
DOUGLAS H. TAYLOR	01/05/2016
GABRIELA R. GUNTHER	02/01/2016
AN H. NGYUEN	12/08/2015
MATTHEW L. MEGREMIS	12/08/2015
RECEIVING PARTY DATA	
Name:	TNV, INC.
Street Address:	901 BLAIRHILL ROAD
Internal Address:	SUITE 500
City:	CHARLOTTE
State/Country:	NORTH CAROLINA
Postal Code:	28217
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14264876
CORRESPONDENCE DATA	
Fax Number:	(704)332-1197
<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:	704.375.0057
Email:	mpurvis@slk-law.com
Correspondent Name:	SHUMAKER, LOOP & KENDRICK, LLP
Address Line 1:	101 SOUTH TRYON STREET
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Address Line 4:	CHARLOTTE, NORTH CAROLINA 28280-0002
ATTORNEY DOCKET NUMBER:	5034/2US
NAME OF SUBMITTER:	JEFFREY S. BERNARD
SIGNATURE:	/Jeffrey S. Bernard/
DATE SIGNED:	02/24/2016

Total Attachments: 5

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ASSIGNMENT

We, **Paul E. Vogt**, a U.S. citizen and residing at 118 Tibor Drive, Kings Mountain, NC 28086, and **Douglas H. Taylor**, a U.S. citizen and residing at 2100 Collingdale Place, Charlotte, North Carolina, 28210, and **Gabriela R. Gunther**, a U.S. citizen and residing at 103 Canterbury Lane, Huntersville, North Carolina, 28078, and **An H. Nguyen**, a U.S. citizen and residing at 1625 Courtney Landing Dr., Apt 4210, Charlotte, North Carolina, 28217, and **Matthew L. Megremis**, a U.S. citizen and residing at 2205 Commonwealth Ave., Charlotte, North Carolina, 28205, in consideration of the sum of \$1.00 (One Dollar), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, do hereby sell, assign and transfer unto **TNV, Inc.**, a corporation organized under the laws of North Carolina, and having an office at 901 Blairhill Road, Suite 500, Charlotte, North Carolina, 28217, USA ("ASSIGNEE"), the entire right, title and interest, together with all rights of priority, in and to our invention for certain improvements entitled "**CRANE CONTROL SYSTEM AND METHOD**", as described in U.S. Provisional Application No. 61/817,062, filed in the United States Patent and Trademark Office on the 29th day of April, 2013, preparatory to obtaining Letters Patent of the United States therefor and as described and/or claimed in any and all applications for Letters Patent based thereon including the formal application, divisions, continuations and reissues thereof as well as all foreign counterparts thereof together with all Letters Patent issuing on any of the aforesaid applications for Letters Patent, the same to be held and enjoyed by ASSIGNEE, its successors, assigns or other legal representatives, to the full ends of the terms of all said Letters Patent therefor which may be granted.

AND WE HEREBY AUTHORIZE ASSIGNEE to make applications for and to receive Letters Patent for said invention in any foreign countries in its own name, or in our names, at its election.

AND WE HEREBY COVENANT AND AGREE that we will execute or procure any further necessary assurance of title to said invention and any Letters Patent which may issue therefor and that we will, at any time, upon the request and at the expense of ASSIGNEE deliver any testimony in any legal proceedings and execute all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patent which may be granted therefor in ASSIGNEE, its successors, assigns, or other legal representatives, and that we will, at any time, upon the request and at the expense of ASSIGNEE execute the formal application, continuations, divisions, reissues, or any other additional applications for Letters Patent for said invention or any part or parts thereof, all of which applications and any Letters Patent issuing thereon are hereby assigned to ASSIGNEE, and will make all rightful oaths, and do all lawful acts requisite for procuring the same therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other legal representatives.

AND WE HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States for said invention, resulting from any of the aforesaid applications to said **TNV, Inc.**, as sole ASSIGNEE.

WITNESS OUR hand and seal on the day listed below:

1-29-16
Date

Paul E. Vogt
Paul E. Vogt

NOTARY ACKNOWLEDGMENT

STATE OF NC
COUNTY OF Mecklenburg

I, *Tora C Sherrill*, a Notary Public for said County and State do hereby certify that Paul E. Vogt appeared before me personally and signed the aforementioned Assignment.

This the 29th day of January, 2016

Tora C Sherrill
Notary Public

TORA C SHERRILL
Notary Public
Lincoln Co., North Carolina
My Commission Expires Oct. 5, 2020

My Commission Expires 10-5-20

1-5-2016
Date

Douglas H. Taylor
Douglas H. Taylor

NOTARY ACKNOWLEDGMENT

STATE OF NC
COUNTY OF Mecklenburg

I, *Joy D. Hovestadt*, a Notary Public for said County and State do hereby certify that Douglas H. Taylor appeared before me personally and signed the aforementioned Assignment.

This the 5th day of December, 2015

Joy D. Hovestadt
Notary Public

My Commission Expires 10/27/2019
SEAL

JOY D HOVESTADT
Notary Public
Mecklenburg Co., North Carolina
My Commission Expires Oct. 27, 2019

02-01-2016
Date

Gabriela Gunther
Gabriela R. Gunther

NOTARY ACKNOWLEDGMENT

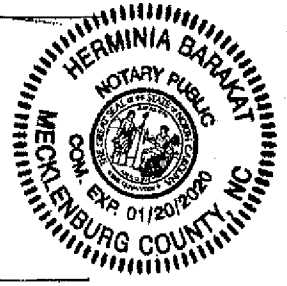
STATE OF North Carolina
COUNTY OF Mecklenburg

I, Herminda Barakat, a Notary Public for said County and State do hereby certify that Gabriela R. Gunther appeared before me personally and signed the aforementioned Assignment.

This the 01 day of February, 2016

Herminda Barakat
Notary Public

My Commission Expires 01-20-2020
SEAL



12/08/15
Date

An H. Nguyen
An H. Nguyen

NOTARY ACKNOWLEDGMENT

STATE OF NC
COUNTY OF Mecklenburg

I, Robert Dailey, a Notary Public for said County and State do hereby certify that An H. Nguyen appeared before me personally and signed the aforementioned Assignment.

This the 8th day of December, 2015

Robert Dailey
Notary Public

My Commission Expires July 29, 2017
SEAL

12/8/15
Date

Matthew L. Megremis
Matthew L. Megremis

NOTARY ACKNOWLEDGMENT

STATE OF NC
COUNTY OF Mecklenburg

I, Robert Dailey, a Notary Public for said County and State do hereby certify that Matthew L. Megremis appeared before me personally and signed the aforementioned Assignment.

This the 8th day of December, 2015.

Robert Dailey
Notary Public

My Commission Expires July 29, 2017
SEAL