

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5058173

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TIANJUN FU	07/16/2018
LONG WU	07/16/2018
KENT WANNER	07/16/2018
JASON DICKHERBER	07/16/2018
CHRIS J. TREMEL	07/16/2018
RECEIVING PARTY DATA	
Name:	DEERE & COMPANY
Street Address:	ONE JOHN DEERE PLACE
City:	MOLINE
State/Country:	ILLINOIS
Postal Code:	61265
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15915553
CORRESPONDENCE DATA	
Fax Number:	(703)668-8200
<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:	703-668-8000
Email:	sprice@hdp.com
Correspondent Name:	HARNESS, DICKEY & PIERCE, P.L.C.
Address Line 1:	11730 PLAZA AMERICA DRIVE
Address Line 2:	SUITE 600
Address Line 4:	RESTON, VIRGINIA 20190
ATTORNEY DOCKET NUMBER:	16060-000058-US-CPA
NAME OF SUBMITTER:	GARY D. YACURA
SIGNATURE:	/Gary D. Yacura/
DATE SIGNED:	07/19/2018
Total Attachments: 6	

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DECLARATION AND ASSIGNMENT

1. Declaration As the below named declarant-inventor(s) ("declarant" or "inventor"), each declarant-inventor who signs below hereby declares that: (1) the application identified below was made or was authorized to be made by each declarant, (2) the declarant believes himself or herself to be the original inventor or an original joint inventor of a claimed invention in the application, (3) the declarant hereby acknowledges that any willful false statement made in this declaration of inventorship or document is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both, (4) the declarant states that he or she has reviewed and understand the contents of the above identified application, including the claims, and (5) the declarant acknowledges that he or she is aware of the duty to disclose information (e.g., any prior art or publication) which is material to patentability as defined in 37 CFR § 1.56.

2. Assignment Subject to an obligation to assign the invention to:

- X Deere & Company ("Assignee" or "Deere"), a Delaware corporation; or
- ☐ Phoenix International Corporation ("Assignee"), a wholly-owned subsidiary of Deere; or
- ☐ NavCom Technology, Inc. ("Assignee"), a wholly-owned subsidiary of Deere; or
- ☐ Maschinenfabrik Kemper GmbH & Co. KG, ("Assignee"), a German entity affiliated with Deere; or
- ☐ Sabo Maschinenfabrik GmbH ("Assignee"), a German entity affiliated with Deere;

the below named declarant-inventor(s) own(s) the entire right title and interest to the invention ("the Invention") which is the subject of a United States patent application ("the Application") entitled:

VOLTAGE SENSOR-LESS POSITION DETECTION IN AN ACTIVE FRONT END

U.S. Application No. 15/915,553 filed March 8, 2018

which each declarant-inventor has executed on the date indicated below next to each inventor's name.

Pursuant to an agreement between each declarant-inventor and Assignee or other legal obligation supported by good and valuable consideration, the receipt of which is acknowledged by each inventor, each declarant-inventor (individually and collectively "Assignor"), agrees to assign, and hereby assigns to Assignee all title, right and interest in the Invention and Application, including the assigned rights as more fully set forth herein. If any below listed declarant-inventor is or was employed by a German subsidiary or affiliate of Assignee, at the conception or creation of the Invention, as required under German law on employee inventions, Assignee, or its German subsidiary or affiliate, laid claim on the Invention and Assignee became the owner of any rights in the Invention and Application as required under German law. If any inventor has previously assigned the same Invention or same Application to Assignee, instead of merely assigning all title, rights, and interest to Assignee; the Assignor acknowledges that all title, right and interest in the Invention and Application was previously assigned to Assignee and hereby assigns, without any reservation, any remaining rights in or to the Invention and Application that the Assignor may hold for whatever reason.

The assigned rights include, but are not limited to, all worldwide rights to file any United States patent applications, international patent applications, and any foreign patent applications, utility patent applications, design patent applications, copyrights, plant patent applications, utility model applications, or similar industrial property rights for the Invention described in the name of each inventor or in the name of the Assignee, as well as any right of priority to any patent or application of the United States or any other country or jurisdiction based on the Invention. The assigned rights include the right for the Assignee, or its legal representatives, to file any continuing, continuation, continuation-in-part, divisional, reissue, extension, or reexaminations of the Application or Invention, or any U.S., international, or foreign applications that claim priority based on the Application. These assigned rights are to be held and enjoyed by the Assignee, its successors or assigns, as fully and entirely as the same would have been held and enjoyed by each inventor had this assignment not been made.

The Invention and Application shall be deemed the sole and exclusive property of Assignee and each inventor agrees to execute any and all documents which Assignee, its successors or assigns, deem necessary to transfer, acknowledge, or assign such rights in or to the Invention and Application to Assignee, its successors, or assigns. Each inventor agrees to execute all documents which Assignee, its successors or assigns deem expedient in connection with the Application and any continuing, continuation, continuation-in-part, divisional, reissue, reexamination or other domestic, international or

Each declarant-inventor declares and agrees to all provisions of this Declaration and Assignment by signing below:

Tianjun FU 07/16/2018 at Fargo, ND

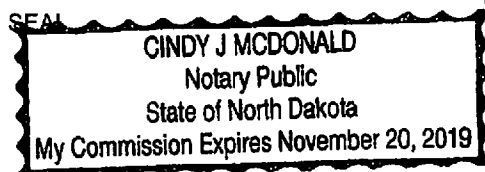
The signing of the Declaration and Assignment by the above declarant-inventor is witnessed or notarized as set forth below:

_____	_____	_____
Non-inventor witness printed name	Witness signature	Date
_____	_____	_____
Non-inventor witness printed name	Witness signature	Date

State of North Dakota
County of Cass

Sworn to before me this 110 day of April, 2018.

Linda J. McDonald
Notary Public



Long WU 07/16/2018 at Fargo ND
Date signed City
State

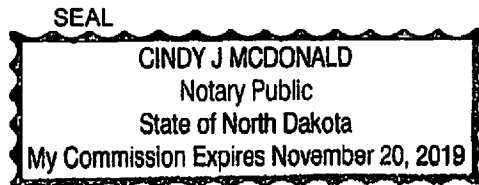
The signing of the Declaration and Assignment by the above declarant-inventor is witnessed or notarized as set forth below:

_____ Non-inventor witness printed name	_____ Witness signature	_____ Date
_____ Non-inventor witness printed name	_____ Witness signature	_____ Date

State of North Dakota
County of Cass

Sworn to before me this 16 day of
July, 2018.

Cindy J McDonald
Notary Public



Kent Wanner 7-16-18 at Fargo, ND
 Kent WANNER Date signed City
 State

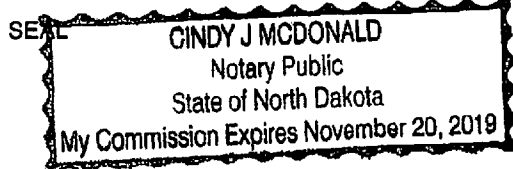
The signing of the Declaration and Assignment by the above declarant-inventor is witnessed or notarized as set forth below:

_____	_____	_____
Non-inventor witness printed name	Witness signature	Date
_____	_____	_____
Non-inventor witness printed name	Witness signature	Date

State of North Dakota
 County of Cass

Sworn to before me this 16 day of
July, 2018.

Cindy J McDonald
 Notary Public



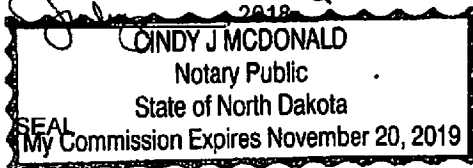
Jason Dickherber 7/16/2018 at Fargo ND
Jason DICKHERBER Date signed City
State

The signing of the Declaration and Assignment by the above declarant-inventor is witnessed or notarized as set forth below:

_____	_____	_____
Non-inventor witness printed name	Witness signature	Date
_____	_____	_____
Non-inventor witness printed name	Witness signature	Date

State of North Dakota
County of Cass

Sworn to before me this 16 day of July 2018



Cindy J McDonald
Notary Public

Chris J. Tremel 7/10/18 at Fargo ND
Chris J. TREMEL Date signed City
State

The signing of the Declaration and Assignment by the above declarant-inventor is witnessed or notarized as set forth below:

_____ Non-inventor witness printed name	_____ Witness signature	_____ Date
_____ Non-inventor witness printed name	_____ Witness signature	_____ Date

State of North Dakota
County of Cass

Sworn to before me this 16 day of
July, 2018.

Cindy J. McDonald
Notary Public

