

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3568651

|   |                                |
|---|--------------------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                 |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                     |
| <b>CONVEYING PARTY DATA</b>   |                                |
| <b>Name</b>   | <b>Execution Date</b>          |
| ELIJAH B. GARNER  | 10/05/2015                     |
| NIKOLAI TEVS  | 10/05/2015                     |
| MICHAEL L. RHODES   | 10/05/2015                     |
| JEFFREY S. PUHALLA  | 10/05/2015                     |
| <b>RECEIVING PARTY DATA</b>   |                                |
| <b>Name:</b>  | DEERE & COMPANY                |
| <b>Street Address:</b>  | ONE JOHN DEERE PLACE           |
| <b>City:</b>  | MOLINE                         |
| <b>State/Country:</b>   | ILLINOIS                       |
| <b>Postal Code:</b>   | 61265                          |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                |
| <b>Property Type</b>  | <b>Number</b>                  |
| <b>Application Number:</b>  | 14874218                       |
| <b>CORRESPONDENCE DATA</b>  |                                |
| <b>Fax Number:</b>  | (952)373-8920                  |
| <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>   | 952-467-6088                   |
| <b>Email:</b>   | sgreenfield@khcip.com          |
| <b>Correspondent Name:</b>  | KELLY, HOLT & CHRISTENSON PLLC |
| <b>Address Line 1:</b>  | 113 WEST MAIN STREET           |
| <b>Address Line 4:</b>  | WACONIA, MINNESOTA 55387       |
| <b>ATTORNEY DOCKET NUMBER:</b>  | J01.12-0028/P23199             |
| <b>NAME OF SUBMITTER:</b>   | JOSEPH R. KELLY                |
| <b>SIGNATURE:</b>   | /Joseph R. Kelly/              |
| <b>DATE SIGNED:</b>   | 10/14/2015                     |
| This document serves as an Oath/Declaration (37 CFR 1.63).  |                                |
| <b>Total Attachments: 16</b><br>source=P23199_Assgn_Dec#page1.tif   |                                |

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source=P23199\_Assgn\_Dec#page16.tif

## DECLARATION AND ASSIGNMENT

### SOIL CHARACTERISTIC SENSORS ON GROUND-ENGAGING ELEMENTS OF A PLANTING MACHINE

Application Number(s): 14/874,218                      Filing Date(s): October 2, 2015  
which claims priority based on application number \_\_\_\_\_, filed \_\_\_\_\_

#### DECLARATION

As a below named inventor, I hereby declare that:

- (1) The above-identified application was made or authorized to be made by me;
- (2) I believe that I am the original inventor or an original joint inventor of a claimed invention in the application;
- (3) I acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both;
- (4) I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above; and
- (5) I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

#### ASSIGNMENT

For good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, I, as a below named inventor, hereby irrevocably assign all right, title, and interest in any invention in the above-identified application and improvements thereof (the "Invention") to Deere & Company, a Delaware corporation, (the "Assignee") and hereby confirm any prior assignment (whether in writing or by operation of law) to Assignee.

I acknowledge that the above assignment includes, but is not limited to, worldwide rights to patents and registrations (e.g., design, invention, plant, utility, and utility model), copyrights, and similar industrial property rights relating to the Invention. Further, I acknowledge that said assignment includes without limitation any right of priority and any right to bring proceedings and obtain remedies for infringement, including for acts committed before or after the date of this assignment.

I acknowledge that the assigned rights hereunder shall include without limitation any applications, registrations, and proceedings of the above (e.g., continuations, continuations-in-part, divisionals, derivations, extensions, oppositions, provisionals, reissues, reexaminations, renewals, reviews, revivals, substitutes, and supplemental examination) relating to the Invention.

#### ADMINISTRATION

I, as a below named inventor, agree to cooperate with Assignee as reasonably necessary to obtain, maintain, and enforce any assigned rights, including executing documents and providing evidence, without additional compensation. I hereby covenant that I have not entered into, nor will I enter into, any agreement that conflicts with this assignment. Additionally, I hereby authorize any patent office in the world to issue any letters patent based on the assigned rights to the Assignee and authorize Assignee to modify this document with further identification of the Invention (e.g., application number and filing date) as Assignee deems expedient in order to record this document.

I declare and agree to all provisions of this writing by signing below.

*[Signature page to follow]*

[Signature page to follow]

Eliph B. Garner                      10/5/15    at    Milan                      IL  
ELIJAH B. GARNER                      Date                      City                      State

The signature of the above inventor is witnessed by two non-inventors or notarized as set forth below:

Michael E. Severson                      [Signature]                      10/5/15  
Witness printed name                      Witness signature                      Date

Maureen E. Roland                      [Signature]                      10-5-2015  
Witness printed name                      Witness signature                      Date

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )                      Notary Public  
Sworn to before me this \_\_\_\_\_ day  
of \_\_\_\_\_, 2015.                      SEAL:

\_\_\_\_\_ at \_\_\_\_\_  
NIKOLAI TEVS                      Date                      City                      State

The signature of the above inventor is witnessed by two non-inventors or notarized as set forth below:

\_\_\_\_\_  
Witness printed name                      Witness signature                      Date  
\_\_\_\_\_  
Witness printed name                      Witness signature                      Date

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )                      Notary Public  
Sworn to before me this \_\_\_\_\_ day  
of \_\_\_\_\_, 2015.                      SEAL:

\_\_\_\_\_ at \_\_\_\_\_,  
MICHAEL L. RHODES  
Date City State

The signature of the above inventor is witnessed by two non-inventors or notarized as set forth below:

\_\_\_\_\_  
Witness printed name                      Witness signature                      Date

\_\_\_\_\_  
Witness printed name                      Witness signature                      Date

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

\_\_\_\_\_  
Notary Public

Sworn to before me this \_\_\_\_\_ day  
of \_\_\_\_\_, 2015.

SEAL:

\_\_\_\_\_ at \_\_\_\_\_,  
JEFFREY S. PUHALLA  
Date City State

The signature of the above inventor is witnessed by two non-inventors or notarized as set forth below:

\_\_\_\_\_  
Witness printed name                      Witness signature                      Date

\_\_\_\_\_  
Witness printed name                      Witness signature                      Date

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

\_\_\_\_\_  
Notary Public

Sworn to before me this \_\_\_\_\_ day  
of \_\_\_\_\_, 2015.

SEAL:

If any above-named inventor was employed by, or was working pursuant to an agreement with, [\*CHOOSE ONE\*]  
(1) agrees to the above assignment and (2) hereby irrevocably assigns all right, title, and interest it may have in the  
Invention to Assignee, including any right of priority and any right to sue and recover damages for past  
infringement, through the signature of its duly authorized representative below:

\_\_\_\_\_  
Signature Date

\_\_\_\_\_  
Printed name

\_\_\_\_\_  
Title

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which claims priority based on application number \_\_\_\_\_, filed \_\_\_\_\_

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I acknowledge that the above assignment includes, but is not limited to, worldwide rights to patents and registrations (e.g., design, invention, plant, utility, and utility model), copyrights, and similar industrial property rights relating to the Invention. Further, I acknowledge that said assignment includes without limitation any right of priority and any right to bring proceedings and obtain remedies for infringement, including for acts committed before or after the date of this assignment.

I acknowledge that the assigned rights hereunder shall include without limitation any applications, registrations, and proceedings of the above (e.g., continuations, continuations-in-part, divisionals, derivations, extensions, oppositions, provisionals, reissues, reexaminations, renewals, reviews, revivals, substitutes, and supplemental examination) relating to the Invention.

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I declare and agree to all provisions of this writing by signing below.

*[Signature page to follow]*

[Signature page to follow]

\_\_\_\_\_  
ELIJAH B. GARNER \_\_\_\_\_ at \_\_\_\_\_  
Date City State


The signature of the above inventor is witnessed by two non-inventors or notarized as set forth below:

\_\_\_\_\_  
Witness printed name Witness signature Date

\_\_\_\_\_  
Witness printed name Witness signature Date

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) Notary Public

Sworn to before me this \_\_\_\_\_ day  
of \_\_\_\_\_, 2015. SEAL:

  
\_\_\_\_\_  
NIKOLAI TEVS \_\_\_\_\_ 10/5/2015 at Daytona Beach FL  
Date City State

The signature of the above inventor is witnessed by two non-inventors or notarized as set forth below:

ILHAM KANWA I.H. Kanwa 10/5/2015  
Witness printed name Witness signature Date

Ashley Sheridan Ashley Sheridan 10/5/2015  
Witness printed name Witness signature Date

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) Notary Public

Sworn to before me this \_\_\_\_\_ day  
of \_\_\_\_\_, 2015. SEAL:





If any above-named inventor was employed by, or was working pursuant to an agreement with, [\*CHOOSE ONE\*]  
(1) agrees to the above assignment and (2) hereby irrevocably assigns all right, title, and interest it may have in the  
Invention to Assignee, including any right of priority and any right to sue and recover damages for past infringement,  
through the signature of its duly authorized representative below:

\_\_\_\_\_  
Signature Date

\_\_\_\_\_  
Printed name

\_\_\_\_\_  
Title

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I declare and agree to all provisions of this writing by signing below.

[Signature page to follow]

\_\_\_\_\_ at \_\_\_\_\_  
ELIJAH B. GARNER  
Date City State

The signature of the above inventor is witnessed by two non-inventors or notarized as set forth below:

|                      |                   |       |
|----------------------|-------------------|-------|
| _____                | _____             | _____ |
| Witness printed name | Witness signature | Date  |
| _____                | _____             | _____ |
| Witness printed name | Witness signature | Date  |

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) Notary Public  
Sworn to before me this \_\_\_\_\_ day  
of \_\_\_\_\_, 2015. SEAL:

\_\_\_\_\_ at \_\_\_\_\_  
NIKOLAI TEVS  
Date City State

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|                      |                   |       |
|----------------------|-------------------|-------|
| _____                | _____             | _____ |
| Witness printed name | Witness signature | Date  |
| _____                | _____             | _____ |
| Witness printed name | Witness signature | Date  |

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) Notary Public  
Sworn to before me this \_\_\_\_\_ day  
of \_\_\_\_\_, 2015. SEAL:

Michael L. Rhodes  
MICHAEL L. RHODES

10/5/2015 at Fargo, ND  
Date City State

The signature of the above inventor is witnessed by two non-inventors or notarized as set forth below:

Kevin Cowles  
Witness printed name

[Signature]  
Witness signature

05 Oct 2015  
Date

TODD A. BRAUN  
Witness printed name

[Signature]  
Witness signature

05 Oct 2015  
Date

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )  
Sworn to before me this \_\_\_\_\_ day  
of \_\_\_\_\_, 2015.

\_\_\_\_\_  
Notary Public  
SEAL:

\_\_\_\_\_  
JEFFREY S. PUHALLA  
\_\_\_\_\_ at \_\_\_\_\_, \_\_\_\_\_  
Date City State

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\_\_\_\_\_  
Witness printed name

\_\_\_\_\_  
Witness signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness printed name

\_\_\_\_\_  
Witness signature

\_\_\_\_\_  
Date

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )  
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\_\_\_\_\_  
Notary Public  
SEAL:

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\_\_\_\_\_  
Signature Date

\_\_\_\_\_  
Printed name

\_\_\_\_\_  
Title

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I declare and agree to all provisions of this writing by signing below.

*[Signature page to follow]*

[Signature page to follow]

\_\_\_\_\_ at \_\_\_\_\_  
ELIJAH B. GARNER Date City State

The signature of the above inventor is witnessed by two non-inventors or notarized as set forth below:

\_\_\_\_\_  
Witness printed name Witness signature Date  
\_\_\_\_\_  
Witness printed name Witness signature Date

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) Notary Public  
Sworn to before me this \_\_\_\_\_ day  
of \_\_\_\_\_, 2015. SEAL:

\_\_\_\_\_ at \_\_\_\_\_  
NIKOLAI TEVS Date City State

The signature of the above inventor is witnessed by two non-inventors or notarized as set forth below:

\_\_\_\_\_  
Witness printed name Witness signature Date  
\_\_\_\_\_  
Witness printed name Witness signature Date

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) Notary Public  
Sworn to before me this \_\_\_\_\_ day  
of \_\_\_\_\_, 2015. SEAL:



\_\_\_\_\_ at \_\_\_\_\_  
MICHAEL L. RHODES  
Date City State

The signature of the above inventor is witnessed by two non-inventors or notarized as set forth below:

\_\_\_\_\_  
Witness printed name Witness signature Date

\_\_\_\_\_  
Witness printed name Witness signature Date

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

\_\_\_\_\_  
Notary Public

Sworn to before me this \_\_\_\_\_ day  
of \_\_\_\_\_, 2015.

SEAL:

Jeffrey S. Puhalla  
JEFFREY S. PUHALLA

Oct. 5, 2015 at Fargo, ND  
Date City State

The signature of the above inventor is witnessed by two non-inventors or notarized as set forth below:

\_\_\_\_\_  
Witness printed name Witness signature Date

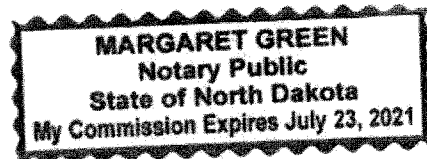
\_\_\_\_\_  
Witness printed name Witness signature Date

State of North Dakota )  
County of Cass )

Margaret Green  
Notary Public

Sworn to before me this 05 day  
of October, 2015.

SEAL:



If any above-named inventor was employed by, or was working pursuant to an agreement with, [\*CHOOSE ONE\*]  
(1) agrees to the above assignment and (2) hereby irrevocably assigns all right, title, and interest it may have in the  
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Printed name

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Title