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| PATENT ASSIGNMENT COVER SHEET |
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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| SCOTT A. HUDSON | 08/22/2019 |
| NOHOON KI | 08/22/2019 |
| JEFFREY M. TOTT | 08/22/2019 |
| RECEIVING PARTY DATA | |
| Name: | DEERE & COMPANY |
| Street Address: | ONE JOHN DEERE PLACE |
| City: | MOLINE |
| State/Country: | ILLINOIS |
| Postal Code: | 61265-8098 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16574600 |
| CORRESPONDENCE DATA | |
| Fax Number: | (317)713-3699 |
| <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: | 317-713-3500 |
| Email: | Taft-IP-Docket@taftlaw.com |
| Correspondent Name: | TAFT STETTINIUS & HOLLISTER LLP |
| Address Line 1: | ONE INDIANA SQUARE, SUITE 3500 |
| Address Line 4: | INDIANAPOLIS, INDIANA 46204-2023 |
| ATTORNEY DOCKET NUMBER: | DEE05-40549 |
| NAME OF SUBMITTER: | TIANA L. POWELL |
| SIGNATURE: | /Tiana L. Powell/ |
| DATE SIGNED: | 09/18/2019 |
| This document serves as an Oath/Declaration (37 CFR 1.63). | |
| Total Attachments: 3 | |
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| source=Assignment#page3.tif | |

DECLARATION AND ASSIGNMENT

AUTOMATIC GUIDANCE PERFORMANCE IMPROVEMENT AND TRANSPORT WITH ARTICULATED MACHINE FORM

Application Number: Filing Date:
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, non-provisionals, 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]

Scott A. Hudson 22 Aug 19 at Waterloo, IA
Date City State

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

| | | |
|--|---|------------------------|
| <u>Cass Hoesch</u> Witness printed name | <u>Cass Hoesch</u> Witness signature | <u>8/22/19</u> Date |
| <u>Krista Fretheim</u> Witness printed name | <u>Krista Fretheim</u> Witness signature | <u>8-22-19</u> Date |

State of _____)
County of _____) Notary Public
Sworn to before me this _____ day
of _____, 2019. SEAL:

Nohoon Ki Aug 22 2019 at Waterloo, IA
Date City State

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

| | | |
|--|---|------------------------|
| <u>Cass Hoesch</u> Witness printed name | <u>Cass Hoesch</u> Witness signature | <u>8-22-19</u> Date |
| <u>Krista Fretheim</u> Witness printed name | <u>Krista Fretheim</u> Witness signature | <u>8-22-19</u> Date |

State of _____)
County of _____) Notary Public
Sworn to before me this _____ day
of _____, 2019. SEAL:

Jeffrey M. Tott 8/22/2019 at Cedar Falls, IA
Date City State

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

| | | |
|--|---|------------------------|
| <u>Cass Haesche</u> Witness printed name | <u>Cass Haesche</u> Witness signature | <u>8-22-19</u> Date |
| <u>Krista Fretheim</u> Witness printed name | <u>Krista Fretheim</u> Witness signature | <u>8-22-19</u> Date |

State of _____)
County of _____)

Notary Public

Sworn to before me this _____ day
of _____, 2019.

SEAL: