

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5599529

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the ADD ASSIGNOR previously recorded on Reel 048849 Frame 0679. Assignor(s) hereby confirms the MICHAEL A. WALDO DOC DATE: 06/19/2019.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BHANU KIRAN REDDY PALLA	04/09/2019
NATHAN R. VANDIKE	04/09/2019
FEDERICO PARDINA-MALBRAN	04/04/2019
MICHAEL A. WALDO	06/19/2019
NOEL W. ANDERSON	04/04/2019
<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>	16380531
<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 (JOHN DEERE)
<b>Address Line 1:</b>	141 WEST 1ST STREET, SUITE100
<b>Address Line 4:</b>	WACONIA, MINNESOTA 55387
<b>ATTORNEY DOCKET NUMBER:</b>	J01.12-0173/P28897-US-PRI
<b>NAME OF SUBMITTER:</b>	SUSAN GREENFIELD
<b>SIGNATURE:</b>	/Susan Greenfield/
<b>DATE SIGNED:</b>	07/01/2019
This document serves as an Oath/Declaration (37 CFR 1.63).	

**Total Attachments: 5**

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

APRIL 12, 2019

PTAS

KELLY, HOLT & CHRISTENSON (JOHNDEERE)  
141 WEST 1ST STREET, SUITE 100  
WACONIA, MN 55387

**505421227**

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 04/10/2019

REEL/FRAME: 048849/0679  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: J01.12-0173/P28897-US-PRI

ASSIGNOR:

PALLA, BHANU KIRAN REDDY

DOC DATE: 04/09/2019

ASSIGNOR:

VANDIKE, NATHAN R.

DOC DATE: 04/09/2019

ASSIGNOR:

PARDINA-MALBRAN, FEDERICO

DOC DATE: 04/04/2019

ASSIGNOR:

ANDERSON, NOEL W.

DOC DATE: 04/04/2019

ASSIGNEE:

DEERE & COMPANY  
ONE JOHN DEERE PLACE  
MOLINE, ILLINOIS 61265

ADD: Michael A. Waldo Doc Date:  
06/19/2019

APPLICATION NUMBER: 16380531

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: MACHINE CONTROL USING REAL-TIME MODEL

ASSIGNMENT RECORDATION BRANCH  
PUBLIC RECORDS DIVISION

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5468018

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BHANU KIRAN REDDY PALLA	04/09/2019
NATHAN R. VANDIKE	04/09/2019
FEDERICO PARDINA-MALBRAN	04/04/2019
NOEL W. ANDERSON	04/04/2019
<b>RECEIVING PARTY DATA</b>	
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<b>Email:</b>	sgreenfield@khcip.com
<b>Correspondent Name:</b>	KELLY, HOLT & CHRISTENSON (JOHNDEERE)
<b>Address Line 1:</b>	141 WEST 1ST STREET, SUITE 100
<b>Address Line 4:</b>	WACONIA, MINNESOTA 55387
<b>ATTORNEY DOCKET NUMBER:</b>	J01.12-0173/P28897-US-PRI
<b>NAME OF SUBMITTER:</b>	SUSAN GREENFIELD
<b>SIGNATURE:</b>	/Susan Greenfield/
<b>DATE SIGNED:</b>	04/10/2019
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 1</b>	
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## DECLARATION AND ASSIGNMENT

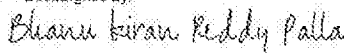
101.12-0173


Application: MACHINE CONTROL USING REAL-TIME MODEL

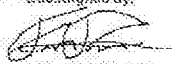
Docket: P28897-US-PRI

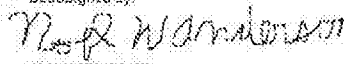
Each of the named inventors to the above application declares and agrees to the following by signing below:

1. **DECLARATION.** 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, and (3) I hereby 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 years, or both.
2. **ASSIGNMENT.** I confirm any prior assignments (whether written, by operation of law, or otherwise) of my interests in the application and inventions therein (the "IP") to Deere & Company, and hereby assign all my remaining interests in the IP to Deere & Company (including all enforcement rights and remedies for past and future infringements and all rights of priority to apply for and receive patents and registrations worldwide in the name of Deere & Company). I attest that I have not assigned any interests in the IP to any other party.
3. **GENERAL.** I acknowledge that (1) this document supplements, and does not supersede, any agreements I may have with Deere & Company or its subsidiaries relating to the application and inventions therein, (2) I reviewed and understand the contents of the application, including the claims, and (3) I am aware of the duty (as defined in 37 CFR § 1.56) to disclose all information I know to be material to patentability.

DocuSigned by:  
  
33CE9F94A177C485...  
Name: Bhanu Kiran Reddy Palla  
Signed: 2019-04-09 | 12:59 CDT

DocuSigned by:  
  
1AE5BF82FC82424...  
Name: Nathan R. VANDIKE  
Signed: 2019-04-09 | 07:34 PDT

DocuSigned by:  
  
200B440BF3884F8...  
Name: Federico PARDINA-MALBRAN  
Signed: 2019-04-04 | 14:57 CDT

DocuSigned by:  
  
09388377347F407...  
Name: NOEL W. ANDERSON  
Signed: 2019-04-04 | 17:44 CDT

## DECLARATION AND ASSIGNMENT



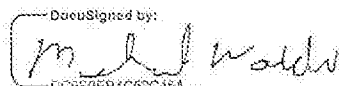
Application: MACHINE CONTROL USING REAL-TIME MODEL

Docket: J01.12-0173

P28897-US-PRI

Each undersigned named inventor to the above application declares and agrees to the following by signing below:

1. **DECLARATION.** 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, and (3) I hereby 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 years, or both.
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3. **GENERAL.** I acknowledge that (1) this document supplements, and does not supersede, any agreements I may have with Deere & Company or its subsidiaries relating to the application and inventions therein, (2) I reviewed and understand the contents of the application, including the claims, and (3) I am aware of the duty (as defined in 37 CFR § 1.56) to disclose all information I know to be material to patentability.

DocuSigned by:  
  
Name: Michael A. Waldo  
Signed: 2019-06-19 10:27 CDT

Each undersigned company confirms any prior assignments (whether written, by operation of law, or otherwise) of its interests in the IP to Deere & Company, and hereby assigns all its remaining interests in the IP to Deere & Company (including enforcement rights for past and future infringements and rights of priority to acquire patents and registrations worldwide in the name of Deere & Company). Each undersigned company states that it has not assigned any interests in the IP to any other party. Each undersigned company acknowledges that this document supplements, and does not supersede, any agreements it may have with Deere & Company or its subsidiaries relating to the IP.