506558850 03/17/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID S. MERCER	10/29/2018
RICHARD A. HUMPAL	10/26/2018

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:	17204045	

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 952-467-6088 **Email:** drud@khcip.com

Correspondent Name: KELLY, HOLT & CHRISTENSON (JOHNDEERE)

Address Line 1: 141 WEST 1ST STREET, SUITE 100
Address Line 4: WACONIA, MINNESOTA 55387

ATTORNEY DOCKET NUMBER:	J01.12-0357/P25718-US-CON	
NAME OF SUBMITTER:	DAWN C. RUD	
SIGNATURE:	/Dawn C. Rud/	
DATE SIGNED:	03/17/2021	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 2

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PATENT 506558850 REEL: 055620 FRAME: 0259

DECLARATION AND ASSIGNMENT

PIEZO ACTUATED NOZZLE CONTROL VALVE

Application Number(s): 16/145,691 Filing Date(s): September 28, 2018 which claims priority based on application number 62/593,458, filed December 1, 2017

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 confirm any prior assignment (whether in writing or by operation of law) of my 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") or its affiliate and, to the extent not already assigned to Assignee or its affiliate, hereby irrevocably assign all right, title, and interest I may have in the Invention 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, on, 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]

VID S. MERCER The signature of the above inventor is witnesse	10/29/218 at And Date	
Witness printed name	Witness signature	Date
Witness printed name	Witness signature	Date
State of	Notary Public SEAL SEAL Commission Number My Commission ZS.MARCHZ	335N 28MARCH 2019
CHARD A. HUMPAL The signature of the above inventor is witnesse		
Witness printed name	Witness signature	Date
Witness printed name	Witness signature	Date
State of TOWA County of 16UK Sworn to before me this 26 day of 050668, 2018.	Notary Public SEAL: SEAL: Onrandicion Public My Connection Se	1011. 7.5320

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