

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
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	BHANU KIRAN REDDY PALLA	01/26/2022
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	Property Type	Number
	Application Number:	17584966
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NAME OF SUBMITTER:	SUSAN GREENFIELD	
SIGNATURE:	/Susan Greenfield/	
DATE SIGNED:	01/26/2022	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 1		
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DECLARATION AND ASSIGNMENT

Application: **SYSTEMS AND METHODS FOR PREDICTING MATERIAL DYNAMICS**Docket: **301.12-0381****P32746**

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.
2. **ASSIGNMENT.** I confirm any prior assignments (whether written, by operation or 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:

1AEEF82FC62424

Name: Nathan R. VANDIKE

Signed: 2022-01-26 | 08:33 CST

DocuSigned by:

1AEEF84A1770485

Name: Shanu Kiran Reddy PALLA

Signed: 2022-01-26 | 06:15 PST

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.