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PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL C. GENTLE	06/08/2021
ETHAN M. TEVIS	06/08/2021
DAVID L. COX	06/22/2021

RECEIVING PARTY DATA

Name:	CATERPILLAR INC.
Street Address:	100 NE ADAMS STREET
City:	PEORIA
State/Country:	ILLINOIS
Postal Code:	61629

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17356394

CORRESPONDENCE DATA

Fax Number: (309)675-1236

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: 3096362223

Email: US docket clerk@cat.com, sserrano@perkinscoie.com

CATERPILLAR INC. JOINT OC INTELLECTUAL P **Correspondent Name:**

Address Line 1: 100 N.E. ADAMS STREET

Address Line 2: AH9510

Address Line 4: PEORIA, ILLINOIS 61629-9510

ATTORNEY DOCKET NUMBER:	21-0145US01
NAME OF SUBMITTER:	SHANNON SERRANO
SIGNATURE:	/Shannon Serrano/
DATE SIGNED:	06/23/2021

Total Attachments: 4

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PATENT REEL: 056644 FRAME: 0586

JOINT INVENTION (Worldwide Rights) Attorney Docket No. 21-0145US01 Client Ref. No. 131257-8035.US00

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

SYSTEMS AND METHODS FOR AUTOMATIC MOLDBOARD POSITIONING

for which I/We will or have filed a patent application; and

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is 100 NE Adams Street, Peoria, Illinois 61629 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, and in and to the patent application for this invention and any and all patents to be issued upon this application throughout the world;

NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, i/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all patents which may be granted thereon, and all reissues thereof, as well as all rights to claim priority in any country or jurisdiction or patent office on the basis of this application, and all applications for patents which may hereafter be filed for this invention in any country or jurisdiction or patent office and all patents which may be granted on this invention in any country or jurisdiction or patent office, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request any official of any country or jurisdiction or patent office whose duty it is to issue patents on applications as described above, to issue all patents for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in any country or jurisdiction or patent office, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns:

AND, I/WE HEREBY authorize the attorneys/representatives that I/WE have empowered to prosecute this application to insert here in parentheses the country, application number, and official filing date (US Application No. 17/356,394 , filed June 23, 2021).

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Michael C. Gentle	Table And	6-8-21
AODRESS 302 N. LINDEN ST		Citizenship いる人
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Page 1 of 3.

JOINT INVENTION (Worldwide Rights) Attorney Docket No. 21-0145US01 Client Ref. No. 131257-8035.US00

1. WITNESS NAME JOHN VIOLENTE	WITNESS SIGNATURE	DATE 6/8/2/
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2. FULL NAME OF SECOND ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
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Page 2 of 3 152672725.1

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JOINT INVENTION (Worldwide Rights) Attorney Docket No. 21-0145US01 Client Ref. No. 131257-8035.US00

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103/3 4/0/8//40	5 600 5 8 60 × 1 80 m	

Page 2 of 3 152672725.1

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JOINT INVENTION (Worldwide Rights) Attorney Dockel No. 21-0145US01 Client Ref. No. 131257-8035.US00

2. FULL NAME OF THIRD ADDICACH, SEARLY	ASSERTATION	SATE
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5		
1. WITHERS NAME	WITHERS SCHATLING	CATE
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**************************************		спазыя VS 4
2. WITHERS NAME	WITNESS SIGNATURE	DATE
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SSSO EWEL BUFF CT OLEAN	A, 1L 62554	CHURNARY USA

Page 3 of 3

PATENT REEL: 056644 FRAME: 0590

RECORDED: 06/23/2021