

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6752649

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LAWRENCE A MIANZO	05/27/2021
TOD A OBLAK	05/27/2021
JOHN M PLOUZEK	05/28/2021
RAYMOND A WISE	06/07/2021
SHAWN N MATHEW	05/26/2021
RECEIVING PARTY DATA	
Name:	CATERPILLAR INC.
Street Address:	100 NE ADAMS STREET
City:	PEORIA
State/Country:	ILLINOIS
Postal Code:	61629-9510
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17335835
CORRESPONDENCE DATA	
Fax Number:	(509)323-8979
<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:	3096362223
Email:	gwendolyn.ramsey@leehayes.com
Correspondent Name:	CATERPILLAR INC. JOINT OC INTELLECTUAL P
Address Line 1:	100 N.E. ADAMS STREET
Address Line 2:	AH9510
Address Line 4:	PEORIA, ILLINOIS 61629-9510
ATTORNEY DOCKET NUMBER:	21-0152US01
NAME OF SUBMITTER:	GWENDOLYN C. RAMSEY
SIGNATURE:	/Gwendolyn C. Ramsey/
DATE SIGNED:	06/09/2021
Total Attachments: 7	

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ASSIGNMENT

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

GROUND ENGAGING TOOL WEAR AND LOSS DETECTION SYSTEM AND METHOD

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

WHEREAS, **Caterpillar Inc.**, a corporation of Delaware, having a place of business at **100 NE Adams Street, Peoria, Illinois, 61629-9610, United States of America** (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;

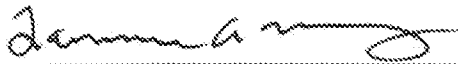
NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, 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;

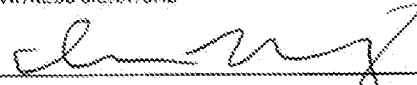
AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

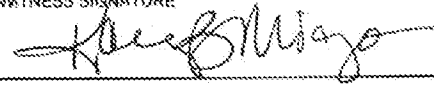
AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver 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 (_____ Application No. 17/335,835, filed June 1, 2021).

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

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Lawrence A Mianzo	ASSIGNOR'S SIGNATURE 	DATE 05/27/2021
ADDRESS 1510 Abby Rose Court, Pittsburgh, PA 15237	CITIZENSHIP US	

1. WITNESS NAME	WITNESS SIGNATURE	DATE
Isabella Mianzo		05/27/2021
ADDRESS		CITIZENSHIP
1510 Abby Rose Ct., Pittsburgh, PA		US
15237		

2. WITNESS NAME	WITNESS SIGNATURE	DATE
KAREN MIANZO		05/27/2021
ADDRESS		CITIZENSHIP
1510 ABBY ROSE CT., PITTSBURGH, PA 15237		USA

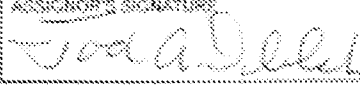
2. FULL NAME OF SECOND ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Tod A Oblak		
ADDRESS		CITIZENSHIP
6 Grayhurst Drive, Pittsburgh, PA 15235		US

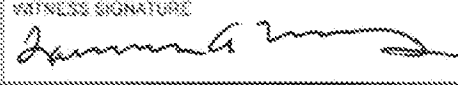
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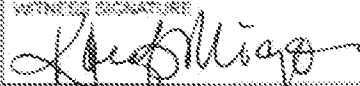
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

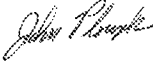
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. FULL NAME OF SECOND ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Tod A Oblak		5/27/21
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6 Grayhurst Drive, Pittsburgh, PA 15235		US

1. WITNESS NAME	WITNESS SIGNATURE	DATE
LAWRENCE A. MIANZO		05/27/2021
ADDRESS		CITIZENSHIP
1510 ABBY ROSE COURT, PITTSBURGH PA 15237		US

2. WITNESS NAME	WITNESS SIGNATURE	DATE
KAREN MIANZO		05/27/2021
ADDRESS		CITIZENSHIP
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3. FULL NAME OF THIRD ASSIGNOR John M Plouzek	ASSIGNOR'S SIGNATURE 	DATE May 28, 2021
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1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

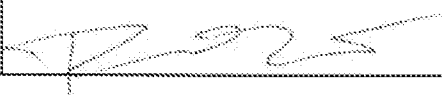
4. FULL NAME OF FOURTH ASSIGNOR Raymond A Wise	ASSIGNOR'S SIGNATURE	DATE
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1. WITNESS NAME	WITNESS SIGNATURE	DATE
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3. FULL NAME OF THIRD ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
John M Plouzek		
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908 W. Raven Road, Peoria, IL 61625		US

1. WITNESS NAME	WITNESS SIGNATURE	DATE
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2. WITNESS NAME	WITNESS SIGNATURE	DATE
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4. FULL NAME OF FOURTH ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Raymond A Wise		6/7/2021
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1358 Timber Oaks Drive, Metamora, IL 61548		US

1. WITNESS NAME	WITNESS SIGNATURE	DATE
Kevin Lockwood		6-7-2021
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2. WITNESS NAME Babar Khan	WITNESS SIGNATURE 	DATE 6/7/21
ADDRESS 2104 W Alta rd APT 1007 Peoria, IL, 61611		CITIZENSHIP USA

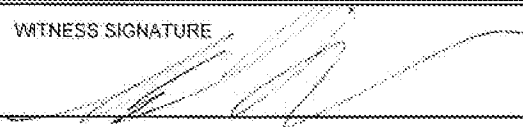
4. FULL NAME OF FIFTH ASSIGNOR Shawn N Mathew	ASSIGNOR'S SIGNATURE	DATE
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1. WITNESS NAME	WITNESS SIGNATURE	DATE
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2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

4. FULL NAME OF FIFTH ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
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105 Sterling Court, #302, Savoy, IL 61874		India

1. WITNESS NAME	WITNESS SIGNATURE	DATE
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2. WITNESS NAME	WITNESS SIGNATURE	DATE
Anthony Allison		05/26/2021
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3212 Cherry Hills Dr, Champaign IL 61822		U.S.A.