

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5397400

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BAO FENG	02/25/2019
CONNOR J. HAAS	02/26/2019
JOSEPH J. EVERY	02/25/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CATERPILLAR INC.
<b>Street Address:</b>	510 LAKE COOK ROAD, SUITE 100
<b>City:</b>	DEERFIELD
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60015
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16287708
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)616-5700
<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>	(312) 616-5600
<b>Email:</b>	assignments@leydig.com
<b>Correspondent Name:</b>	PAUL J. FILBIN
<b>Address Line 1:</b>	LEYDIG, VOIT & MAYER, LTD.
<b>Address Line 2:</b>	180 NORTH STETSON AVE., SUITE 4900
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60601-6731
<b>ATTORNEY DOCKET NUMBER:</b>	740945 (18-0849-69933)
<b>NAME OF SUBMITTER:</b>	PAUL J. FILBIN
<b>SIGNATURE:</b>	/Paul J. Filbin/
<b>DATE SIGNED:</b>	02/28/2019
<b>Total Attachments: 4</b>	
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## ASSIGNMENT

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

### METHOD AND APPLIANCE FOR MAKING ISOTROPICALLY FINISHED SEAL RING OF SEAL ASSEMBLY FOR MACHINE

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

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is 510 Lake Cook Road, Suite 100, Deerfield, IL 60015 (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;

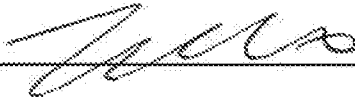
NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns,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

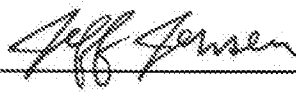
AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

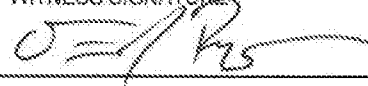
AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver 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 Assignee or the attorneys/representatives of Assignee to insert here in parentheses the country, application number, and official filing date (U.S. Patent Application No. 16/287,708 filed February 27, 2019).


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

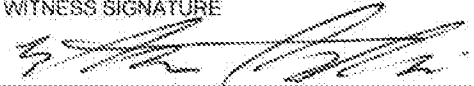
1. FULL NAME OF SOLE OR FIRST ASSIGNOR Bao Feng	ASSIGNOR'S SIGNATURE 	DATE 2/25/19
ADDRESS 1918 W. Geneva Rd.		CITIZENSHIP China
Peoria, IL 61615		

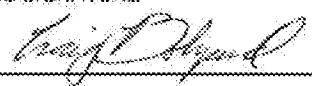
1. WITNESS NAME Jeff Jensen	WITNESS SIGNATURE 	DATE 2/25/19
ADDRESS 723 S. Prairieview Dr.		CITIZENSHIP USA
Dunlap, IL 61525		

2. WITNESS NAME Otto Rytora	WITNESS SIGNATURE 	DATE 2/25/19
ADDRESS 175 S East Lakeview Dr		CITIZENSHIP USA
East Peoria, IL 61611		

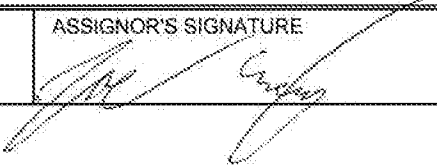
SOLE/JOINT INVENTION  
(Worldwide Rights)  
Attorney Docket No. 740945  
Client Ref. No. 18-0849-69933

1. FULL NAME OF SECOND ASSIGNOR, IF ANY Connor J. Haas	ASSIGNOR'S SIGNATURE 	DATE 26 Feb 2019
ADDRESS 692 Cambridge Dr.		CITIZENSHIP USA
New Braunfels, TX 78132		

1. WITNESS NAME Ethan Banducci	WITNESS SIGNATURE 	DATE 26 Feb 2019
ADDRESS		CITIZENSHIP USA

2. WITNESS NAME Craig Bolyard	WITNESS SIGNATURE 	DATE 2/26/19
ADDRESS		CITIZENSHIP US

SOLE/JOINT INVENTION  
(Worldwide Rights)  
Attorney Docket No. 740945  
Client Ref. No. 18-0849-69933

1. FULL NAME OF THIRD ASSIGNOR, IF ANY Joseph J. Every	ASSIGNOR'S SIGNATURE 	DATE 2/25/2019
ADDRESS 7420 W. Country View Dr.		CITIZENSHIP USA
Peoria, IL 61607		

1. WITNESS NAME Adam A Lonn	WITNESS SIGNATURE Adam Lonn	DATE 2/25/2019
ADDRESS 5230 E Cambrian Ave		CITIZENSHIP U.S.
Chillicothe, IL 61523		

2. WITNESS NAME Greg O Potts	WITNESS SIGNATURE Greg O Potts	DATE 2/25/19
ADDRESS 609 Anne St.		CITIZENSHIP U.S.A.
Washington, IL 61571		