



To the Director of the U.S. Patent and Trademark
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7/31/07

1. Name of conveying parties: (1) Jason L. Brinkman (2) Jeffrey Kuehn		2. Name and address of receiving party: Name: Caterpillar Inc.	
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Internal Address:	Intellectual Property Department
3. Nature of conveyance:		Street Address: 100 N.E. Adams Street	
<input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger		City: Peoria	
<input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name		State: Illinois	Zip Code: 61629-6490
<input type="checkbox"/> Other:		Additional name(s) & Address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Execution Date: (1) July 24, 2007 (2) July 24, 2007			
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application: (1) July 24, 2007 (2) July 24, 2007			
B. Patent Application Number(s):		C. Patent Number(s):	
Additional numbers attached? <input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Leo T. Hinze		6. Total number of applications and registrations involved: one (1)	
Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.		7. Total fee (37 CFR 3.41): \$40 <input checked="" type="checkbox"/> Enclosed (Please charge deficiency to deposit account) <input type="checkbox"/> Authorized to be charged to deposit account	
Street Address: 901 New York Avenue, N.W.			
City: Washington			
State: DC Zip: 20001-4413		8. Deposit Account No.: 06-0916	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.			
		Leo T. Hinze Reg. No. 60,129	
		July 31, 2007 Date	
Total number of pages including cover sheet, attachments and documents: 5			

08/01/2007 HLE333 00000030 11882249

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ASSIGNMENT

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

HYDRAULIC CIRCUIT FOR RAPID BUCKET SHAKE OUT

for which I/We executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on ___, 20___ (Serial No. ___); and

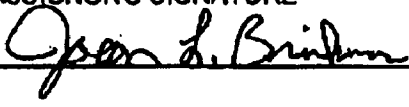
WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is 100 N.E. Adams Street, Peoria, IL 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application to be jointly owned by each;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignees are 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 Assignees, their lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional application Serial No. ___, filed ___ (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignees, their 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 Assignees, their 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 Assignees, their successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignees, their successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignees, their successors and assigns.

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

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Jason L. Brinkman	ASSIGNOR'S SIGNATURE 	DATE 7/24/07
ADDRESS 302 W. Northland Avenue, Peoria, Illinois 61614		CITIZENSHIP USA

1. WITNESS NAME <i>Bruce Spitt</i>	WITNESS SIGNATURE <i>Bruce Spitt</i>	DATE <i>7/24/17</i>
ADDRESS <i>1313 W. Columbus Terrace</i>		CITIZENSHIP <i>USA</i>
<i>Peoria IL 61609</i>		

2. WITNESS NAME <i>Briana Mintz</i>	WITNESS SIGNATURE <i>Briana Mintz</i>	DATE <i>7/24/17</i>
ADDRESS <i>1957 Cobblestone</i>		CITIZENSHIP <i>USA</i>
<i>Washington IL 61571</i>		

2. FULL NAME OF SECOND ASSIGNOR <i>Jeffrey L. Kuehn</i>	ASSIGNOR'S SIGNATURE	DATE
ADDRESS <i>426 Mackenzie Place, Metamora, Illinois 61548</i>		CITIZENSHIP <i>USA</i>

1. WITNESS NAME <i>Bruce Spitt</i>	WITNESS SIGNATURE <i>Bruce Spitt</i>	DATE <i>7/24/17</i>
ADDRESS <i>1313 W. Columbus Terrace</i>		CITIZENSHIP <i>USA</i>
<i>Peoria IL 61609</i>		

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

ASSIGNMENT

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

HYDRAULIC CIRCUIT FOR RAPID BUCKET SHAKE OUT

for which I/We executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on ___ 20___ (Serial No. ___); and

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is 100 N.E. Adams Street, Peoria, IL 61629-8490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application to be jointly owned by each;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignees are 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 Assignees, their lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional application Serial No. ___, filed ___ (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignees, their 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;

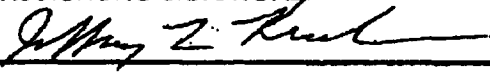
AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignees, their successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver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


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ADDRESS 302 W. Northland Avenue, Peoria, Illinois 61614		CITIZENSHIP USA

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. FULL NAME OF SECOND ASSIGNOR Jeffrey L. Kuehn	ASSIGNOR'S SIGNATURE 	DATE 7/24/2007
ADDRESS 426 Mackenzie Place, Metamora, Illinois 61548		CITIZENSHIP USA

1. WITNESS NAME PARMESH VENKATESWARAN	WITNESS SIGNATURE 	DATE 7/24/2007
ADDRESS 2401 W ALTARD. #1806, PEORIA, IL 61615		CITIZENSHIP INDIA

2. WITNESS NAME Jeremy Peterson	WITNESS SIGNATURE 	DATE 7-24-2007
ADDRESS 1517 Aspen Dr. Washington IL 61571		CITIZENSHIP USA