

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
CONVEYING PARTY DATA																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Dennis Sachaschik</td> <td>12/14/2011</td> </tr> <tr> <td>Thomas K. Yeung</td> <td>12/14/2011</td> </tr> <tr> <td>Russell D. Carpenter</td> <td>12/13/2011</td> </tr> <tr> <td>Frank K. Anthony</td> <td>12/14/2011</td> </tr> <tr> <td>Tom G. Hamric</td> <td>12/14/2011</td> </tr> <tr> <td>Joy Elaine Allen</td> <td>12/13/2011</td> </tr> <tr> <td>Marlon Cobbins</td> <td>12/14/2011</td> </tr> <tr> <td>Joseph Paluga</td> <td>12/15/2011</td> </tr> </tbody> </table>		Name	Execution Date	Dennis Sachaschik	12/14/2011	Thomas K. Yeung	12/14/2011	Russell D. Carpenter	12/13/2011	Frank K. Anthony	12/14/2011	Tom G. Hamric	12/14/2011	Joy Elaine Allen	12/13/2011	Marlon Cobbins	12/14/2011	Joseph Paluga	12/15/2011
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RECEIVING PARTY DATA																			
<table border="1"> <tr> <td>Name:</td> <td>Caterpillar, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>100 North East Adams</td> </tr> <tr> <td>City:</td> <td>Peoria</td> </tr> <tr> <td>State/Country:</td> <td>ILLINOIS</td> </tr> <tr> <td>Postal Code:</td> <td>61629</td> </tr> </table>		Name:	Caterpillar, Inc.	Street Address:	100 North East Adams	City:	Peoria	State/Country:	ILLINOIS	Postal Code:	61629								
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PROPERTY NUMBERS Total: 1																			
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Application Number:	13331416																		
CORRESPONDENCE DATA																			
Fax Number:	(312)977-9959																		
Phone:	312-977-9903																		
Email:	swallace@millermatthiashull.com																		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>																			
Correspondent Name:	Caterpillar/ Miller, Matthias & Hull LLP																		
Address Line 1:	One North Franklin Street																		
Address Line 2:	Suite 2350																		
Address Line 4:	Chicago, ILLINOIS 60606																		

OP \$40.00 13331416

PATENT

ATTORNEY DOCKET NUMBER:	50100/11-0837
NAME OF SUBMITTER:	Phillip P. Pippenger
Total Attachments: 9 source=Signed_Assignment_11_0837#page1.tif source=Signed_Assignment_11_0837#page2.tif source=Signed_Assignment_11_0837#page3.tif source=Signed_Assignment_11_0837#page4.tif source=Signed_Assignment_11_0837#page5.tif source=Signed_Assignment_11_0837#page6.tif source=Signed_Assignment_11_0837#page7.tif source=Signed_Assignment_11_0837#page8.tif source=Signed_Assignment_11_0837#page9.tif	

ASSIGNMENT

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

FLASH RING SEPARATOR

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 North East Adams, 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, We, as Assignor, 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 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;

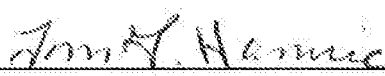
AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

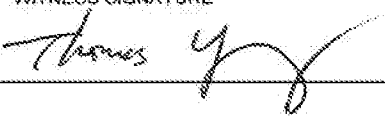
AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver 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;

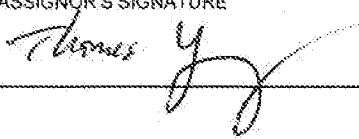
AND, I/WE HEREBY authorize the attorneys/representatives that I/WE have empowered to prosecute this application to insert here in parentheses the country, application number, and official filing date (US Application No. 13/331,416, filed December 20, 2011).


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

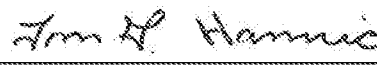
1. FULL NAME OF SOLE OR FIRST ASSIGNOR Dennis Sachaschik	ASSIGNOR'S SIGNATURE 	DATE 12/14/2011
ADDRESS 802 Shaabark Rd., New Lenox, IL 60451		CITIZENSHIP US

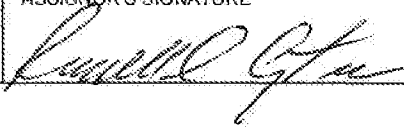
1. WITNESS NAME Tom Hamric	WITNESS SIGNATURE 	DATE 12/14/2011
ADDRESS 1312 Dupont Av Morris, IL 60450		CITIZENSHIP US


2. WITNESS NAME Thomas K. Young	WITNESS SIGNATURE 	DATE 12/14/2011
ADDRESS 156 Peppercorn Dr Bolingbrook, IL 60440		CITIZENSHIP US


2. FULL NAME OF SECOND ASSIGNOR, IF ANY Thomas K. Yeung	ASSIGNOR'S SIGNATURE 	DATE 12/14/2011
ADDRESS 156 Pepperwood Dr., Bolingbrook, IL 60440		CITIZENSHIP US

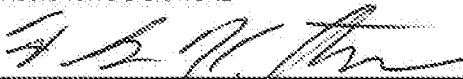
1. WITNESS NAME Dennis P. Sachaschik	WITNESS SIGNATURE 	DATE 12/14/2011
ADDRESS 802 Shagbark Rd New Lenox, IL 60451		CITIZENSHIP US


2. WITNESS NAME Tom G. Hammie	WITNESS SIGNATURE 	DATE 12/14/2011
ADDRESS 1312 DUPONT AVE MORRIS, IL 60450		CITIZENSHIP US

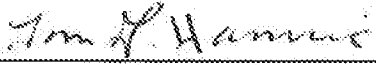
3. FULL NAME OF THIRD ASSIGNOR, IF ANY Russell D. Carpenter	ASSIGNOR'S SIGNATURE 	DATE 13 Dec 11
ADDRESS 107 Lejeune Ave., Lockport, IL 60441		CITIZENSHIP US

1. WITNESS NAME Dennis P. Sachaschik	WITNESS SIGNATURE 	DATE 12/14/2011
ADDRESS 802 Shagbark Rd New Lenox, IL 60451		CITIZENSHIP US

2. WITNESS NAME Tom G. Hamrick	WITNESS SIGNATURE 	DATE 12/14/2011
ADDRESS 1312 DuPont Ave Morris, IL 60450		CITIZENSHIP US

3. FULL NAME OF FOURTH ASSIGNOR, IF ANY Frank K. Anthony	ASSIGNOR'S SIGNATURE 	DATE 12/14/11
ADDRESS 911 Willow Lane, Shorewood, IL 60404		CITIZENSHIP US

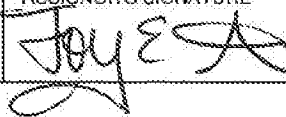
1. WITNESS NAME Dennis P. Sachaschik	WITNESS SIGNATURE 	DATE 12/14/2011
ADDRESS 802 Shagbark Rd New Lenox, IL 60451		CITIZENSHIP US


2. WITNESS NAME Tom G. Hammie	WITNESS SIGNATURE 	DATE 12/14/2011
ADDRESS 1312 DuPont Ave Morris, IL 60450		CITIZENSHIP US

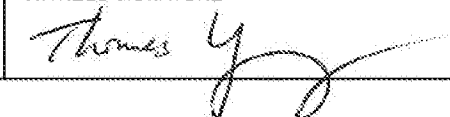
3. FULL NAME OF FIFTH ASSIGNOR, IF ANY Tom G. Hamric	ASSIGNOR'S SIGNATURE <i>Tom G. Hamric</i>	DATE 12/14/2011
ADDRESS 1312 Dupont Ave., Morris, IL 60450		CITIZENSHIP US

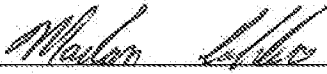
1. WITNESS NAME Dennis P. Sachaschik	WITNESS SIGNATURE <i>Dennis P. Sachaschik</i>	DATE 12/14/2011
ADDRESS 802 Shagbark Rd New Lenox, IL 60451		CITIZENSHIP US


2. WITNESS NAME THOMAS K. YEUNG	WITNESS SIGNATURE <i>Thomas K. Yeung</i>	DATE 12/14/2011
ADDRESS 156 PEPPERWOOD DR		CITIZENSHIP USA
BOLINGBROOK, IL 60440		

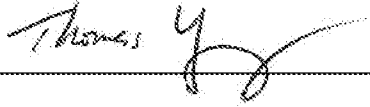
3. FULL NAME OF SIXTH ASSIGNOR, IF ANY Joy Elaine Allen	ASSIGNOR'S SIGNATURE 	DATE 12-13-2011
ADDRESS 1238 Raymond St., Joliet, IL 60431		CITIZENSHIP US

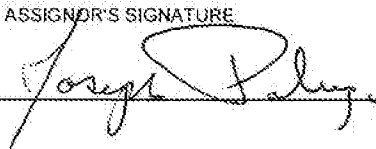
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ADDRESS 802 Shagbark Rd New Lenox, IL 60451		CITIZENSHIP US

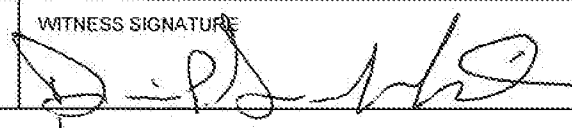
2. WITNESS NAME THOMAS YELNIG	WITNESS SIGNATURE 	DATE 12/14/2011
ADDRESS 156 PEPPERWOOD DR		CITIZENSHIP USA
BOLINGBROOK, IL 60440		

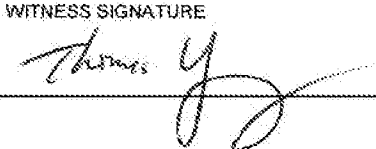
3. FULL NAME OF SEVENTH ASSIGNOR, IF ANY Marlon Cobbins	ASSIGNOR'S SIGNATURE 	DATE 12/14/11
ADDRESS 284 Mohawk St., Park Forest, IL 60466		CITIZENSHIP US

1. WITNESS NAME Dennis P. Sachaschik	WITNESS SIGNATURE 	DATE 12/14/2011
ADDRESS 802 Shagbark Rd New Lenox, IL 60451		CITIZENSHIP US

2. WITNESS NAME Thomas K. Young	WITNESS SIGNATURE 	DATE 12/14/2011
ADDRESS 156 PEPPERWOOD DR		CITIZENSHIP USA
Bolingbrook, IL 60440		

3. FULL NAME OF EIGHTH ASSIGNOR, IF ANY Joseph Paluga	ASSIGNOR'S SIGNATURE 	DATE 12/15/2011
ADDRESS 3113 Deerpath Drive, Joliet, IL 60435		CITIZENSHIP US

1. WITNESS NAME Dennis P. Sachaschik	WITNESS SIGNATURE 	DATE 12/14/2011
ADDRESS 902 Shagbark Rd New Lenox, IL 60451		CITIZENSHIP US

2. WITNESS NAME THOMAS K. YOUNG	WITNESS SIGNATURE 	DATE 12/14/2011
ADDRESS 156 PEPPERWOOD DR BOLINGBROOK, IL 60440		CITIZENSHIP USA