501762782 12/20/2011

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

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

RECEIVING PARTY DATA

Name:	Caterpillar, Inc.
Street Address:	100 North East Adams
City:	Peoria
State/Country:	ILLINOIS
Postal Code:	61629

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13331416

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via US Mail.

Correspondent Name: Caterpillar/ Miller, Matthias & Hull LLP

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Address Line 2: Suite 2350

501762782

Address Line 4: Chicago, ILLINOIS 60606

PATENT

REEL: 027419 FRAME: 0743

ATTORNEY DOCKET NUMBER:	50100/11-0837	
NAME OF SUBMITTER:	Phillip P. Pippenger	
Total Attachments: 9 source=Signed_Assignment_11_0837#page source=Signed_Assignment_11_0837#page source=Signed_Assignment_11_0837#page source=Signed_Assignment_11_0837#page source=Signed_Assignment_11_0837#page source=Signed_Assignment_11_0837#page source=Signed_Assignment_11_0837#page	92.tif 93.tif 94.tif 95.tif 96.tif	
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PATENT REEL: 027419 FRAME: 0744

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.

Page 1 of 9

PATENT REEL: 027419 FRAME: 0745

FULL NAME OF SOLE OR FIRST ASSIGNOR Dennis Sachaschik	ASSIGNOR'S SIGNATURE	DATE / /2011
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O ,	

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¥		
2. WITNESS NAME	WITNESS SIGNATURE	DATE.
Tom G. Hamber	Jon & Hanne	1414/2011
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TOM G. Hamric ADDRESS 1312 Dupont Ave., Morris, IL 60450 1. WITNESS NAME Dennis P. Sachaschik III DATE 12/14/204 ADDRESS 802 Shaghari Rd New (2nox IL 6645) 2. WITNESS NAME THOMAS K YEWNG ADDRESS 156 PERPERVAD R BOLINGBRASIC, IL 60446	3. FULL NAME OF FIFTH ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 1312 Dupont Ave., Morris, IL 60450 1. WITNESS NAME Dennis P Sachaschik & 2 AM 12/14/2011 ADDRESS 802 Shaghas K Rd New Canax IL 6045/ 2. WITNESS NAME WITNESS SIGNATURE DATE 12/14/2011 DATE 12/14/2011 DATE DATE		3	1
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1. WITNESS NAME Dennis P Sachaschik Jil M 12/14/2011 ADDRESS 802 Shaghar F Rd New Canox TC 6045/ US 2. WITNESS NAME WITNESS NAME WITNESS SIGNATURE DATE			■ ** ** ** ** ** * * * * * * * * * * *
Dennis P Sachaschik - 2 / 14/2011 ADDRESS 802 Shagbar K Rd I EW (200x IL 6045) 2. WITNESS NAME WITNESS SIGNATURE DATE	1312 Dupont Ave., Morris, IL 80450		US
Dennis P Sachaschik - 2 / 14/2011 ADDRESS 802 Shagbark Rd New Cenox IL 6045/ US 2. WITNESS NAME WITNESS SIGNATURE DATE			
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Dennis P Sachaschik - 2 / 14/2011 ADDRESS 802 Shagbark Rd New Cenox IL 6045/ US 2. WITNESS NAME WITNESS SIGNATURE DATE			
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ADDRESS 802 Shagbar FRD 16W (2NOX, IL 6045) 2. WITNESS NAME WITNESS SIGNATURE DATE	D'-		DATE
ADDRESS 802 Shagbar FRD 16W (2NOX, IL 6045) 2. WITNESS NAME WITNESS SIGNATURE DATE	Dennis P. Sachasch	K Dillampho	12/14/2011
2. WITNESS NAME WITNESS SIGNATURE DATE	ADDRESS 1 1- 0 1 1		100
	802 Shagbart Kd New Cenex, IL 60451		42
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HOMAS K. YEUNG Thomas J 12/14/2011 ADDRESS 156 PEPPLEWAD DR USA BULINGBROOK, IL 60440	professional and the second and the		į į
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2. WITNESS NAME	WITNESS SIGNATURE	DATE
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RECORDED: 12/20/2011