

07-01-2004

U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 08350.3551-00000
Attorney Customer Number: 22,852To the Director of the U.S. Patent and
Please record the attached original document.

102781710

Mail Stop Assignment Recordation Services

1. Name of conveying party(ies): Maarten VERKIEL Jo L. WILLAMS Eric Charles FLUGA		2. Name and address of receiving party(ies): Name: CATERPILLAR Inc.	
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Internal Address:	
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: IL	Zip Code: 61629-6490
<input type="checkbox"/> Other: [Describe]		Additional name(s) & Address(es) attached?	
Execution Date: June 21, 2004, June 22, 2004, and June 24, 2004		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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: June 24, 2004.			
A. Patent Application Number(s):		B. Patent Number(s): 6-24-04	
Additional numbers attached?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 10874319	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Roland G. McAndrews, Esq.		6. Total number of applications and registrations involved: 1	
Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.		7. Total fee (37 CFR 3.41): \$40	
Street Address: 1300 I Street, N.W.		<input checked="" type="checkbox"/> Enclosed (Please charge deficiency to deposit account)	
City: Washington, D.C.		<input type="checkbox"/> Authorized to be charged to deposit account	
State: Zip: 20005-3315		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.			
Roland G. McAndrews		June 24, 2004	
Signature		Date	
Total number of pages including cover sheet, attachments and documents: 10			

06/28/2004 MMEKONEN 00000033 10874319

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ASSIGNMENT

WHEREAS We, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

FILTER SYSTEM

for which We executed an application for United States Letters Patent concurrently herewith; and

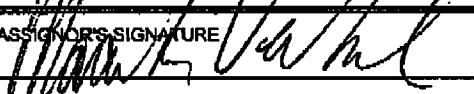
WHEREAS, CATERPILLAR Inc., a corporation of Delaware whose post office address is 100 N.E. Adams Street, Peoria, IL 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and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

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 Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, 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 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 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 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 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 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 Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Maarten VERKIEL	ASSIGNOR'S SIGNATURE 	DATE 6/24/04
ADDRESS 308 Bittersweet Avenue, Metamora, IL 61548		CITIZENSHIP Netherlands

1. WITNESS NAME <i>James Arthur Darscott</i>	WITNESS SIGNATURE <i>[Signature]</i>	DATE <i>June 29, 2004</i>
ADDRESS <i>1700 W. Hickory Grove Rd #1-209</i>		CITIZENSHIP <i>USA</i>
<i>Dunlap IL 61525</i>		

2. WITNESS NAME <i>DENNIS ENDICOTT</i>	WITNESS SIGNATURE <i>Dennis Endicott</i>	DATE <i>JUNE 29, 2004</i>
ADDRESS <i>419 W. CLYBOURN CT</i>		CITIZENSHIP <i>USA</i>
<i>PEORIA, IL 61614</i>		

2. FULL NAME OF SECOND ASSIGNOR, IF ANY <i>JO L. WILLIAMS</i>	ASSIGNOR'S SIGNATURE	DATE
ADDRESS <i>9903 North Barbados Drive, Peoria, IL 61615</i>		CITIZENSHIP <i>U.S.A.</i>

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Eric Charles FLUGA	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 407 North French Drive, Dunlap, IL 61525		CITIZENSHIP U.S.A.

1. WITNESS NAME	WITNESS SIGNATURE	DATE
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JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. 08350.3551-00000
Client Ref. No. 03-551

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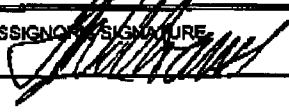
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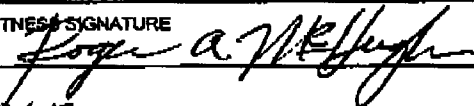
1. FULL NAME OF SOLE OR FIRST ASSIGNOR Maarten VERKIEL	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 308 Bittersweet Avenue, Metamora, IL 61548		CITIZENSHIP Netherlands

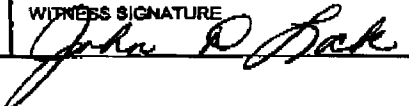
JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. 08350.3551-00000
Client Ref. No. 03-551

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2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. FULL NAME OF SECOND ASSIGNOR, IF ANY Jo L. WILLIAMS	ASSIGNOR'S SIGNATURE 	DATE 22 Jun 04
ADDRESS 9903 North Barbados Drive, Peoria, IL 61615		CITIZENSHIP USA BRITISH JLW 6/22/04

1. WITNESS NAME ROGER A. MEHUGH	WITNESS SIGNATURE 	DATE 22 Jun 04
ADDRESS 716 BAYSIDE CIRCLE METAMORA, IL. 61548		CITIZENSHIP AMERICAN

2. WITNESS NAME John D. Lock	WITNESS SIGNATURE 	DATE 22 Jun 04
ADDRESS 1113 TRAIL'S END WASHINGTON, IL 61571		CITIZENSHIP AMERICAN

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3. FULL NAME OF THIRD ASSIGNOR, IF ANY Eric Charles FLUGA	ASSIGNOR'S SIGNATURE <i>Eric C Flug</i>	DATE 21 June 2004
ADDRESS 407 North French Drive, Dunlap, IL 61525		CITIZENSHIP U.S.A.

1. WITNESS NAME <i>Reynaldo J. Agama</i>	WITNESS SIGNATURE <i>[Signature]</i>	DATE 6/21/04
ADDRESS 1705 W. Thames Dr Peoria IL 61614		CITIZENSHIP USA

2. WITNESS NAME <i>Michael F. Menke</i>	WITNESS SIGNATURE <i>Michael F Menke</i>	DATE 21 JUN 04
ADDRESS 2105 W SHERMAN PEORIA, IL 61604		CITIZENSHIP USA