

U.S. PTO

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10/31/2008

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U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 08350.8070-0000
Attorney Customer Number: 58,982

Mail Stop Assignment Recordation Service

To the Director of the U.S. Patent and Trademark Office
Please record the attached original documents or copy thereof.

103534897

1. Name of conveying parties: 1. Bryan Nelson 2. Kirat Shah		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:	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger		Street Address: 100 N.E. Adams Street	
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name	State: IL	Zip Code: 61629-9510
<input type="checkbox"/> Other:		Additional name(s) & Address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Execution Dates: 1. October 31, 2008 2. October 31, 2008			
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: October 31, 2008 October 31, 2008			
A. Patent Application Numbers:		B. 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: Timothy P. McAnulty Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. Street Address: 901 New York Avenue, N.W. City: Washington, D.C. State: Zip: 20001-4413		6. Total number of applications and registrations involved: One (1) 7. Total fee (37 CFR 1.21(h) and 3.41): \$40 <input checked="" type="checkbox"/> Enclosed (Please charge any deficiency to our deposit account) <input type="checkbox"/> Authorized to be charged to deposit account	
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.		8. Deposit Account No.: 06-0916	
Timothy P. McAnulty Reg. No. 56,939		October 31, 2008	
Signature		Date	
Total number of pages including cover sheet, attachments and documents: 3			

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PATENT

REEL: 021834 FRAME: 0880

U.S. PTO
12/289695
10/31/2008

SOLE/JOINT INVENTION
(Worldwide Rights)
Attorney Docket No. 08350.8070-00000
Client Ref. No. 08-070
Customer No. 58,892

ASSIGNMENT

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

ROTARY FLOW CONTROL VALVE WITH ENERGY RECOVERY

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

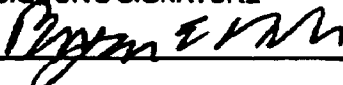
WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is 100 N.E. Adams Street, Peoria, IL 61629-9510 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and 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;

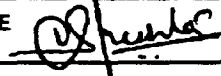
NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignees, their lawful successors and assigns, 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 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, 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 Assignees, their 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 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.

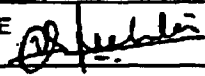
IN TESTIMONY WHEREOF, We have hereunto set our hands.

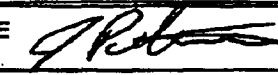
1. FULL NAME OF SOLE OR FIRST ASSIGNOR Bryan Nelson	ASSIGNOR'S SIGNATURE 	DATE 31 Oct 08
ADDRESS 22 Bay Shore Dr. Lacon, IL 61540		CITIZENSHIP USA

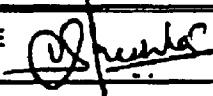
1. WITNESS NAME VIRAL MEHTA	WITNESS SIGNATURE 	DATE 10/31/08
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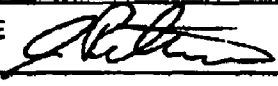
2. WITNESS NAME Jeremy Peterson	WITNESS SIGNATURE 	DATE 10/31/08
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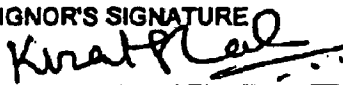
2. FULL NAME OF SECOND ASSIGNOR Kirat Shah	ASSIGNOR'S SIGNATURE 	DATE 10/31/08
ADDRESS 1700 W. Hickory Grove Rd, Apt. 4-105, Dunlap, IL 61525		CITIZENSHIP INDIA

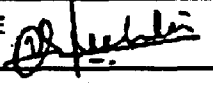
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