FORM PTO-1595 1-31-92		1-2007	ົວVER SH .Y U.S. F		Patent	epartment of and Tradema ey Docket No	
			_11/878				Number: 58,982
To the Director of the I Please record the attac	1034	32811	07/25/:	2007		Issignment H	ecordation Servio
1. Name of conveyir Michael G. CRON			2.	l	Name and addres	ss of receiving) party(ies):
			Na	me:	Caterpillar Inc		
Additional name(s) of conv	eying party(ies) at	tached? 🗌 Yes 🛛	No Int Ac	ernal dress:	Intellec	tual Property	Department
3. Nature of conveya	ance:	<u>.</u>	St	eet Ad	dress: 100 N.	E. Adams Stro	eet
Assignment	Merge	r	Ci	y:	Peoria		
Security Agreement	Chang	ge of Name	St	ate:	IL	Zip Code:	61629-6490
Other:			Ad	Iditiona	I name(s) & Addi	ress(es) attac	hed?
Execution Date: 07/17/	07			☐ Yes ⊠ No			
Application number(s) or p	atent number(s): li	f this document is he	aing filed toge	hor wit	th a new applicat	ion the execu	ition date of the
application: 07/17/07	atent number(s). I		ang meu toge				
A. Patent Application Number(s):			В.		Patent Number(s):	
	Additi	onal numbers attach	 ned? □	Yes	🛛 No		
	ss of party to whor nent should be ma		5.		Total number of a involved:	applications a	nd registrations
Name: Elizabeth M. Bu	rke		6.		Total fee (37 CF	R 3.41): \$40	
				⊠	Enclosed (P account)	lease charge	deficiency to depos
					Authorized	to be charged	to deposit accoun
	EGAN, HENDERS NNER, L.L.P.	ON, FARABOW, GA	ARRETT			·	
	lew York Avenue,	N.W.					
City: Washing	ton, D.C.						
State:	Zip:	20001	7.		Deposit Account	No. <u>06-0916</u>	
8. Statement and si	gnature.						
To the best of my knowled document.	dge and belief, the	foregoing informatic	on is true and	correct	and any attache 7/26/2007 AWONDA	d copy is a tru IF1 00000018	ue copy of the origin
	ko	Q1	1-11	0.	04 FC:8021		40.00 OP
Elizabeth M. Bur Reg. No. 38,758		Cliza	With-	FN/	Burtic	July	25, 2007
			-				Date

PATENT REEL: 019659 FRAME: 0662

ASSIGNMENT

WHEREAS 1, the below named inventor? [hereinafter referred to as Assignor], have made an invention entitled:

TRANSMISSION SHIFT MECHANISM WITH SINGLE-END ACTUATION

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

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is Intellectual Property Department, 100 N.E. Adams Street, Peoria, Illinois 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 itknown 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, I, 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 entire right, title, and interest in and to this invention, provisional application Serial No: 60/840,459, filed August 28, 2006, 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, 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 relissues thereof; and 1 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, I HEREBY covenant that I 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, HEREBY further covenant and agree that I/We will, without further consideration, communicate with. Assignee, its successors and assigns, any facts known to me 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 tille to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and relassue 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.

AND, I HEREBY authorize and request the attorneys I/we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No._____, filed ____) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I have hereunto set my hands.

1. FULL NAME OF SOLE OF FIRST ASSIGNOR Michael G. CRONIN	ASSIGNOR'S SIGNATURE	DATE 17 Jul 07
ADDRESS 5739 West Martindale Lane, Peo	ria. Illinois 61615	CITIZENSHIP USA

Page 1 of 2

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SOLE/JOINT INVENTION (Wondwide Rights) Attorney Docket No.:08350.6474.00000 Client Ref: No. 06-474

1. WITNESS NAME Frank Do Marco	WITNESS SIGNATURE Frughe & bo Mancoc	DATE'
135 Lexington Drive		CITIZENSHIP; USA
East Peoria, IL 6161	ť	
,		
2. WITNESS NAME TUEC BOWMAN	WITNESS SIGNATURE	DATE 7-17-07
Tyler Bowman	Apt I2	DATE <u> 7- /7-07</u> CITIZENSHIP <u> 0</u> 5

Page 2 of 2

RECORDED: 07/25/2007