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06-17-2003



U.S. Department of Commerce Patent and Trademark Office Attorney Docket No. 08350.2685-00

		Attorney Customer Number: 22,852
to the Director of the U.S. Patent and Tradem	102475450	Stop Assignment Recordation Servic

Please	record the attached original	400075	450			giiiioiit i	CCOTGG	
1.	Name of conveying parties: David Y. Chang	6.5.NZ	2.	Name an	d address o	f receiving	party:	_
	Dana F. Shang	639	Name:	Cater	pillar Inc.			9 To
Addition	nal name(s) of conveying party(ies) attached? ☐ Yes ☒ No	Interna	Address:				.s.
3.	Nature of conveyance:		Street /	Address:	100 N. E	. Adams S	Street	0/4
\boxtimes	Assignment	Merger	City:	Peoria				100
	Security Agreement	Change of Name	State:	IL	Zi	ip Code:	61629	-6490
	Other:		Additio	nal name(s) & Address	(es) attacl	ned?	
Executi	on Date: May 22, 2003		_	☐ Yes	-	No		
4.	Application number(s) or pate the application: June 4, 2003	nt number(s): If this document is b	eing filed (together wi	th a new app	plication, t	he execu	ution date of
Α.	Patent Application Number(s)	10454616	В.	Patent N	umber(s):			
		Additional numbers attached?	│ ☐ Yes		⊠ No			
5.	Name and address of party to concerning document should		6.	Total nun involved: 1	nber of appli	ications ar	nd regist	rations
Name:	Kurt A. Luther, Esq.		7.	Total fee	(37 CFR 3.4	41): \$40		
				Encl acco	osed (Pleas ount)	e charge o	deficienc	y to deposit
Internal	Address: FINNEGAN, HEND & DUNNER, L.L.P	DERSON, FARABOW, GARRETT		Auth	norized to be	e charged	to depos	sit account
Street A	Address: 1300 I Street, N.W	1.						
City:	Washington, D.C.		7					
State:	Zip:	20005-3315	8.	Deposit A	Account No.:	06-0916	,	
9.	Statement and signature.		<u> </u>					
To the t		f, the foregoing information is true	and correc	ct and any	attached cop	py is a true	e copy of	the original
		/KAA//:	1					
	Kurt A. Luther Reg. No. 43,764	Sign	△ v ature				5, 2003 ate	
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		er of pages including cover sheet, a	auacnmen	is and doci	uments: 3			
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PATENT

REEL: 014165 FRAME: 0554

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 08350.2685 Client Ref. No. 02-685

ASSIGNMENT

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

CONTROL SYSTEM AND METHOD FOR ENGINE VALVE ACTUATOR

for which I file an application for United States Letters Patent herewith; and

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is 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 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, 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., 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 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 I 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 have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I 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 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, I have hereunto set my hands.

FULL NAME OF FIRST ASSIGNOR David Y. Chang	ASSIGNOR'S SIGNATURE	DATE 5/22/03
ADDRESS		CITIZENSHIP
6 Azalea Court, Savoy, Illinois 61874		P. R. of China

Page 1 of 2

PATENT REEL: 014165 FRAME: 0555

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 08350.2685 Client Ref. No. 02-685

1. WITNESS NAME / WITNESS SIGNATURE	DATE 5/22/03
ADDRESS 1230 BANCACH DA.	CITIZENSHIP
Bloomington 12 61704	
2 WITNESS NAME / MOTHER WITNESS SIGNATURE / John 12 Millione	DATE 127/03
ADDRESS ADDRESS 19 8 L. e'dstare WITNESS SIGNATURE WITNESS SIGNATURE Prime 12 Millione WITNESS SIGNATURE Prime 12 Millione WITNESS SIGNATURE Prime 12 Millione Prime 12 Millione Prime 12 Millione ADDRESS	DATE 5 125 103 CITIZENSHIP

PATENT REEL: 014165 FRAME: 0556