	Form PTO-1595 (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2008)	4 - 2006 U.S. DEPARTMENT OF COMM United States Patent and Tradem		
1	To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.			
	1. Name of conveying party(ies)	2. Name and address of receiving party(ies)	РТ 38	
۱ ٔ	Xiaoliang Gao, Andrzej Krzywicki, & Stacy David Ross Johnston	Name: NOVA Chemicals (International) S.A.	U.S. 266	
0 /	!	Internal Address:	28°	
			295 11/	
7	Additional name(s) of conveying party(ies) attached? Yes ✓ No 3. Nature of conveyance/Execution Date(s):	Street Address: Avenue de la Gare 14, 1700 Fribourg	¹ <u>←</u> . ਭ	
	Execution Date(s) 10/10/2006 and 10/11/2006	Otteet / total cost / first fi	1	
	✓ Assignment Merger			
	Security Agreement Change of Name	City:		
	Joint Research Agreement	Charles.		
	Government Interest Assignment	State:		
	Executive Order 9424, Confirmatory License	Country: Switzerland Zip:Zip:		
	Other	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
		Additional name(s) & address(es) attached? Yes		
	4 Application or natent number(s):	deeline ent la baixa tilad tadathar with a baw abbi	- ^ ^ + · ^ P	
		document is being filed together with a new appl B. Patent No.(s)	lication.	
	4. Application or patent number(s): ✓ This A. Patent Application No.(s)	B. Patent No.(s)	lication.	
/20	A. Patent Application No.(s)		lication.	
	A. Patent Application No.(s) 2006 DEMMANU1 00000033 11582668 8021	B. Patent No.(s)	lication.	
	A. Patent Application No.(s) 2006 DEMMANU1 00000033 11582668 8021	B. Patent No.(s)		
	A. Patent Application No.(s) 2006 DEMMANU1 00000033 11582668 8021 40.00 OP Additional numbers att 5. Name and address to whom correspondence	B. Patent No.(s) tached? Yes No 6. Total number of applications and patents		
	A. Patent Application No.(s) 2006 DEMMANU1 00000033 11582668 8021 40.00 OP Additional numbers att 5. Name and address to whom correspondence concerning document should be mailed:	B. Patent No.(s) tached? Yes No 6. Total number of applications and patents involved: 1		
	A. Patent Application No.(s) 2006 DEMMANU1 00000033 11582668 8021 40.00 OP Additional numbers att 5. Name and address to whom correspondence concerning document should be mailed: Name: Kenneth H. Johnson	B. Patent No.(s) tached? Yes No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00		
	A. Patent Application No.(s) 2006 DEMMANU1 00000033 11582668 8021 40.00 OP Additional numbers att 5. Name and address to whom correspondence concerning document should be mailed:	B. Patent No.(s) tached? Yes No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card		
	A. Patent Application No.(s) 2006 DEMMANU1 00000033 11582668 8021 40.00 OP Additional numbers att 5. Name and address to whom correspondence concerning document should be mailed: Name: Kenneth H. Johnson	B. Patent No.(s) tached? Yes No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card Authorized to be charged to deposit account		
	A. Patent Application No.(s) 2006 DEMMANU1 00000033 11582668 8021 40.00 OP Additional numbers att 5. Name and address to whom correspondence concerning document should be mailed: Name: Kenneth H. Johnson	B. Patent No.(s) tached?	ınt	
	A. Patent Application No.(s) 2006 DEMMANU1 00000033 11582668 8021 40.00 OP Additional numbers att 5. Name and address to whom correspondence concerning document should be mailed: Name: Kenneth H. Johnson Internal Address:	B. Patent No.(s) tached? Yes No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card Authorized to be charged to deposit account	ınt	
	A. Patent Application No.(s) 2006 DEMMANU1 00000033 11582668 8021 40.00 OP Additional numbers att 5. Name and address to whom correspondence concerning document should be mailed: Name: Kenneth H. Johnson Internal Address:	B. Patent No.(s) tached?	ınt	
	A. Patent Application No.(s) 2006 DEMMANUI 00000033 11582668 8021 5. Name and address to whom correspondence concerning document should be mailed: Name:Kenneth H. Johnson Internal Address: Street Address: P.O. Box 630708 City: Houston	B. Patent No.(s) Stack	int ting title)	
	A. Patent Application No.(s) 2006 DEMMANUI 00000033 11582668 8021 40.00 OP Additional numbers att 5. Name and address to whom correspondence concerning document should be mailed: Name:Kenneth H. Johnson Internal Address: Street Address: P.O. Box 630708 City: Houston State:Texas Zip:77263	B. Patent No.(s) tached? Yes No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit accouve Enclosed None required (government interest not affect 8. Payment Information	int ting title)	
	A. Patent Application No.(s) 2006 DEMMANUI 00000033 11582668 8021 5. Name and address to whom correspondence concerning document should be mailed: Name: Kenneth H. Johnson Internal Address: Street Address: P.O. Box 630708 City: Houston State: Texas Zip:77263 Phone Number: (713) 780-7047	B. Patent No.(s) Stack	int ting title)	
	A. Patent Application No.(s) 2006 DEMMANU1 00000033 11582668 8021 40.00 OP Additional numbers att 5. Name and address to whom correspondence concerning document should be mailed: Name: Kenneth H. Johnson Internal Address: Street Address: P.O. Box 630708 City: Houston State: Texas Zip:77263 Phone Number: (713) 780-7047 Fax Number: (713) 780-7671	B. Patent No.(s) tached? Yes No 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card Authorized to be charged to deposit accouve Inclosed None required (government interest not affect 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date	int ting title)	
	A. Patent Application No.(s) 2006 DEMMANUI 00000033 11582668 8021 40.00 OP Additional numbers att 5. Name and address to whom correspondence concerning document should be mailed: Name: Kenneth H. Johnson Internal Address: Street Address: P.O. Box 630708 City: Houston State: Texas Zip:77263 Phone Number: (713) 780-7047 Fax Number: (713) 780-7671 Email Address: kenneth-h-johnsen@sbcglobal.net	B. Patent No.(s) tached?	int ting title)	
	A. Patent Application No.(s) 2006 DEMMANUI 00000033 11582668 8021 40.00 OP Additional numbers att 5. Name and address to whom correspondence concerning document should be mailed: Name: Kenneth H. Johnson Internal Address: Street Address: P.O. Box 630708 City: Houston State: Texas Phone Number: (713) 780-7047 Fax Number: (713) 780-7671 Email Address: kenneth-h-johnsen@sbcglobal.net 9. Signature:	B. Patent No.(s) tached?	int ting title)	
	A. Patent Application No.(s) 2006 DEMMANUI 00000033 11582668 8021 5. Name and address to whom correspondence concerning document should be mailed: Name: Kenneth H. Johnson Internal Address: Street Address: P.O. Box 630708 City: Houston State: Texas Zip:77263 Phone Number: (713) 780-7047 Fax Number: (713) 780-7671 Email Address: kenneth-h-johnsen@sbcglobal.net	B. Patent No.(s) tached?	int ting title)	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

In consideration of (\$1.00) One Dollar and other good and valuable consideration, the receipt whereof is hereby acknowledged, we,

Xiaoliang Gao, a Canadian citizen, residing at 811 Edgemont Road NW, Calgary, Alberta, Canada, T3A 2J1;

Andrzej Krzywicki, a Canadian citizen, residing at 2403 Westmount Road NW, Calgary, Alberta, Canada, T2N 3N9; and

Stacy David Ross Johnston, a Canadian citizen, residing at 186 Tusslewood Drive NW, Calgary, Alberta, Canada, T3L 2N1,

do hereby sell, assign and transfer to **NOVA Chemicals (International) S.A.**, a corporation of Switzerland, having an office at Avenue de la Gare 14, 1700 Fribourg, Switzerland, its successors and assigns, all our right, title and interest in the United States of America in and to our invention entitled:

"Conversion of Ethers to Olefins"

for which **Xiaoliang Gao** executed an application for a United States Patent dated the //th day of October, 2006; **Andrzej Krzywicki** executed an application for a United States Patent dated the //th day of October, 2006; and **Stacy David Ross Johnston** executed an application for a United States Patent dated the /oth day of October, 2006.

We further undertake to execute without further consideration all lawful papers, all divisional, continuing and reissue applications, make all rightful oaths, and generally do everything possible to assist and enable the said **NOVA Chemicals (International) S.A.** its successors, assigns and nominees, to obtain and enforce proper patent protection for the said invention.

This indenture shall be binding upon and enure to the benefit of the heirs, executors, administrators, successors and assigns, respectively, of the parties hereto.

SIGNED in the City of Calgary, in the Province of Alberta, this <u>II</u> day of October, 2006.

WITNESS:	
Marian Hanson	Xiao Gao
	Xiaoliang Gao
AFFIDAVIT OF	EXECUTION
I, <u>Marian Hanson</u> , whose Chemicals Corporation, 2928 - 16 Street NE, 0	e full post office address is c/o NOVA Calgary, Alberta, Canada, T2E 7K7

MAKE OATH AND SAY:

That I was personally present and did see **Xiaoliang Gao** who is personally known to me to be the person named in this assignment duly sign and execute the same.

sworn before me at the City of Calgary, in the Province of Alberta, this // day of October, 2006

Marian Hanson

A Notary Public in and for the

Province of Alberta

PATENT REEL: 018434 FRAME: 0886

	1.11
SIGNED in the City of Calgary,	in the Province of Alberta, this $//H$ day of October, 2006.
WITNESS:	
	/
me · all	
Marian Harson	
	Ahdrzej Krzywicki
	AFFIDAVIT OF EXECUTION
I, <u>Marian Hanson</u> Chemicals Corporation, 2928 -	, whose full post office address is c/o NOVA 16 Street NE, Calgary, Alberta, Canada, T2E 7K7
MAKE OATH AND SAY:	
	and did see Andrzej Krzywicki who is personally known to the attached assignment duly signed and execute the same
SWORN before me at the City of Calgary, in the Province of Alberta, this /// day of October, 2006) Marin Harson
A Notary Public in and for the Province of Alberta	-
SIGNED in the City of Calgary, i	n the Province of Alberta, this <u>loth</u> day of October, 2006.
WITNESS: Marian Hanson	Stacy David Ross Johnston
· .	AFFIDAVIT OF EXECUTION
l, <u>Manian Hanson</u> Chemicals Corporation, 2928 - 1	, whose full post office address is c/o NOVA 6 Street NE, Calgary, Alberta, Canada, T2E 7K7
MAKE OATH AND SAY:	
	and did see Stacy David Ross Johnston who is personally named in the attached assignment duly signed and execute
SWORN before me at the City of Calgary, in the Province of Alberta, this <u>forh</u> day of October, 2006) Narian Hanson
A Notary Public in and for the Province of Alberta	

U:\Scott\PSCAssign\9313USJTasgn.doo
RECORDED: 10/18/2006

PATENT REEL: 018434 FRAME: 0887