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FORM P70-1595	01-26-2004		U.S. DEPARTMENT OF COMMERCE			
Rev. 08/28/92			T Patent	and Tradem	ark Offic	e
1.20.04	102653					
Assistant Commissioner for	Patents and Trademarks: Ple		nal documents or copy thereo	f.		
Name of conveying party(ies): Theodore E. Miller, Junior Charles A. Nielsen Ray W. Chrisman Robert E. LaPointe	2. Name and address of receiving party(ies): THE DOW CHEMICAL COMPANY 2030 Dow Center Midland, Michigan 48674 UNITED STATES OF AMERICA					
☐ Additional name(s) of conveying p	party(ies) is attached.	☐ Additional name	e(s) & address(es) are	attached		
3. Nature of conveyance: x Assignment Security Agreement Other Execution Date(s) July 6	, 2000		Merger Change of Name	TWANCE		## The Charles The Charles The Charles The Cha
			_	<u> </u>	्र	
Application Number(s) or Patent N	lumber(s):				9	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
If this document is being filed	together with a new ap	plication, the executio	n date of the application		.SE SO	, J
Name and address of party to who concerning document should be m	•	Total number of applications and patents involved: 1				
The Dow Chemical Col Intellectual Property P. O. Box 1967 Midland, Michigan 486 United States of Americ	41-1967	☐ Enclose ☐ Please Account 8. Deposit A	7 CFR 3.41) \$40.4 ded deduct the above fee decount 04-1512. It lease debit or credit of	from our E	nate is	
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40.00 BR	 					
	DO NOT USE	THIS SPACE				
Statement and signature: To the best of my knowledge and copy of the original document.	belief, the foregoing inf	iormation is true and co	orrect and any attache	ed copy is	a true	
Dated: January 15, 2004		Crystal S. Rohd		ind	_0	

44,530 US

Total number of pages including attachments: 4

(989) 636-1954

PATENT REEL: 014905 FRAME: 0089 This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/D att.

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This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/D and

FORM 110 (R 5/97)

Subscrib

Docket Ref. 44530

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (WITH PRIORITY RIGHTS)

I/we verily believe I am/we are the original, first and sole/joint invertor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled:

THERMAL METHOD AND APPARATUS

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

> THE DOW CHEMICAL COMPANY 2030 Dow Center Midland, Michigan 48674 United States of America

a corporation organized and existing under the laws of the State of	of DELAWARE, U.S.A.			
(hereinafter referred to as the "Assignee");				
my/our entire right, title and interest throughout the world, in and				
including provisional applications when permitted by law, for Lette				
nominee(s)); and all rights and powers to file any corresponding or	r equivalent applications in any and all countries, including all			
rights to claim priority under all United States domestic laws, Inter	mational Convention(s) and Treaties in the name of Assignee, and			
do hereby authorize Assignee or its designee to insert here the				
DOM/HCOO/19/99	Tuly 6, 2000			
Application No. PCT/US00/18482 Filing	Date Sury 0, 2000			
in country <u>International</u>				
of the application, on which the claim for priority will be based; an	id in and to any Letters Patent that may be issued for the invention			
in any and all countries. I/we do hereby agree to assist Assignee in conflict, opposition or litigation which may arise involving the inve	the prosecution of the application(s) and in any interference,			
conflict, opposition or intigation which may arise involving the five	orresponding to or equivalent to the above identified application as			
Assignee may request; and I/we do hereby authorize Assignee or it	orresponding to or equivalent to the above identified application as			
a maritim of anot				
Application No. 10/018,668 Filing D in country the United States of America	ode December 12, 2001			
in country the United States of America				
to the above Priority application of any country where that count	try's patent property must be identified and entered hereinaboye			
for recordal of this Assignment. I/we authorize Assignee or its de	signee to translate this Assignment into all languages necessary			
	and consent to the recordal of this Assignment, or a Notarial True			
Copy thereof, being under covenant not only that I/we have full po				
encumbered by any grant, license, or other right heretofore given.	Tree to make the band, but also that door applied higher at a not			
citodinibered by any grand, normal, or owner right interest and				
ed and Declared by me/us:				
•				
At: Midland, Michigan 48674, USA	At: Midland, Michigan 48674, USA this General day of July , 2000			
this Gay of July , 2000	this General day of July , 2000			
آريم د ا	21 - 20 1			
Signature headow. Wels June	Signature: Clarles q. Niclan			
Full Name: Theodore E. Miller, Junior	Full Name: Charles A. Nielsen			
Residence: 5902 Woodpark	Residence: 3009 Walden Woods			
Midland, Michigan 48640	Midland, Michigan 48640			
Country: United States of America	Country: United States of America			
	Citizenship: United States of America			
	P. O. Address: Same as Residence			
P. O. Address: Same as Residence	i e e e e e e e e e e e e e e e e e e e			
Employed By: The Dow Chemical Company	Employed By: The Dow Chemical Company			
Of Country: United States of America	Of Country: United States of America			
At: Midland, Michigan 48674, USA	At: Midland, Michigan 48674, USA			
this GD day of JULY , 20 00	this 6 day of July , 20 00			
() , (pn - 1				
Signature: Kan W. Lingamon	Signature: new e. wit			
Full Name: Ray W. Chrisman	Full Name: Robert E. LaPointe			
Residence: 1905 Ramble Lane	Residence: 3824 Todd Street			
Midland, Michigan 48640	Midland, Michigan 48642 Country: United States of America			
Country: United States of America				
Citizenship: United States of America	Citizenship: United States of America			
P. O. Address: Same as Residence	P. O. Address: Same as Residence			
Employed By: The Dow Chemical Company	Employed By: The Dow Chemical Company			
Of Country: United States of America	Of Country: United States of America			

PATENT REEL: 014905 FRAME: 0090

^() Additional names and signatures are attached.

UNITED STATES OF AMERICA

FORM 220

Docket Ref. 44530

NOTARIAL CERTIFICATE (INDIVIDUAL)

STATE OF County/Parish of) SS)	
On this <u>(</u> day of <u>/</u> before me,	rly	, 2000, personally appeared
Theodore E. M		Charles A. Nielsen; Ray W. Chrisman; obert E. LaPointe
	knowledged tl	idual described in and who executed the ne same as a free act and deed for uses and
SEAL		Notary Public STEPHANIE S. POTTS NOTARY PUBLIC, ARENAC COUNTY, MICHIGAN ACTING IN MIDLAND COUNTY, MICHIGAN

MY COMMISSION EXPIRES AUGUST 20, 2002

TRUE COPY

TO ALL TO WHOM THESE PRESENTS SHALL COME,

I Do Hereby Certify that the annexed document(s) are TRUE COPIES of the original document(s) which I have compared.

at Mid l	and, Michigan 48	3674, USA		
this <u>15th</u>	day of <u>Ja</u>	anuary	20 <u>04</u>	
		Offi	ystal S. Rohde ce Professional CHEMICAL COMPAN	Y
	<u>NOTARIA</u>	AL CERT	<u> </u>	
UNITED STATES STATE OF MICH County/Parish of I	IGAN)	SS		
On this <u>15th</u> before me,	day of <u>Ja</u>	nuary	20 <u>04</u> , personall	y appeared
	С	rystal S. Ro	ohde	
			no executed the forego deed for uses and purp	
SEAL			Abby Doyle otary Public, Saginaw County, Michi Acting in Midland County, Michigar Commission Expires September 27,	1

RECORDED: 01/20/2004

PATENT REEL: 014905 FRAME: 0092