RECORDATION FORM COVER SHEET

PATENTS ONLY

12-08-1999

MRD 12/2/99	101216754
Assistant Comn issioner for Patents and Trademarks: Ple	ease record the attached original documents or copy the eof.
l. Name of conveying party(ies) Yasushi Obora Tobin J. Marks	Name and address of receiving parry(ies): NORTHWESTERN UNIVERSITY 633 Clark Street Evanston, Illinois 60208 UNITED STATES OF AMERICA
Additional name(s) of conveying party(ies) is attached.	Additional name(s) & address(es) are attached.
3. Nature of conveyance: 	☐ Merger ☐ Change of Name
Execution Date(s) September 3 & 9, 1997;	Effective as of August 1, 1997
08/904,363 Filed August 1, 1997 If this document is being filed together with a new ap Additional Application Number(
Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved: 1
Graham E. Taylor The Dow Chemica Company Intellectual Property P. O. Box 1967 Midland, Michigan 48641-1967 United States of America	 Total fee (37 CFR 3.41) \$40.00 Enclosed Please deduct the above fee from our Deposit Account Deposit Account 04-1512 If this estimate is incorrect, please debit or credit our account accordingly.
DO NOT US	E THIS SPACE
9. Statement and signature	oformation is true and correct and any attached convice a true

copy of the original document.

Dated November 29, 1999

Administrative Patent Assistant

(517) 636-0903

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Total number of pages including attachme its: 3

REEL: 010418 FRAME: 0094

FORM 110

Docket Ref. 42927A Sheet 2 of 2 INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(WITH PRIORITY RIGHTS)

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

SATURATED TRICYCLIC LIGAND CONTAINING METAL COMPLEXES AND OLEFIN POLYMERIZATION **PROCESS**

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 exercisible 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:

NORTHWESTERN UNIVERSITY 633 Clark Street Evanston, Illinois 60208 United States of America

a corporation organized and existing under the laws of the State of ILLINOIS, U.S.A. (hereinafter referred to as the "Assignee"):

my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Filing Date August 1, 1997 Application No. 08/904,363

in country the United States of America

of this application, when received, on which the priority will be based; and 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 the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request; and I/we do hereby authorize Assignee or its designee (or nominee(s)) to insert here any corresponding equivalent

any corresponding equivalent
Application NoFiling Dete
in country
to the above Priority application of any country where that country's patent property must be identified and entered hereinabove
for recordal of this Assignment. I/we authorize Assignee or its designee to translate this Assignment into all languages necessary;
and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial Tru
Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not
encumbered by any grant, license, or other right heretofore given

At EVANSTON, ILLINOIS 60208 USA

Tobin J. Marks

2300 Central Park Avenue

Evanston, Illinois 60201

United States of America

United States of America

this ____ day of _

Signature: Full Name:

Residence

Country:

Citizenship:

Of Country:

Subscribed and Declared by me/us:

AL JUKEUL	an Ibaraki Japan
this <u>ک</u> day o	of Suptember 1947
	as of August 1, 1997
Signature: <i>⊆</i>	would Den
	Yasushi Obora
Residence	1-1 Higashi
	Tsukuba, Ibaraki 304 5
Country:	.Japan
Citizenship:	Japan
P. O. Address:	Same as Residence
Employed By:	Northwestern University*
Of Country:	United States of America

P. O. Address: Employed By: Of Country:	Same as Residence Northwestern University* United States of America	P. O. Address: Same as Residence Employed By: Northwestern University Of Country: United States of American	-
At: this day	of19	At this day of	19_
Signature:Full Name:		Signature:Full Name:	
Residence		Residence	
Country.		Country:	
Citizenship:		Citizenship:	
P. O. Address:		P. O. Address:	
Employed By:		Employed By:	

Of Country:

at the time the invention was made

^{(·} Additional names and signatures are attached

FORM 110

Docket Ref. 42927A Sheet 2 of 2

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

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

SATURATED TRICYCLIC LIGAND CONTAINING METAL COMPLEXES AND OLEFIN POLYMERIZATION **PROCESS**

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 exercisible 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:

> NORTHWESTERN UNIVERSITY 633 Clark Street

Evanston, Illinois 60208 United States of America

a corporation organized and existing under the laws of the State of ILLINOIS, U.S.A. (hereinafter referred to as the "Assignee") my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Application No. 08/904, 363 Filing Date August 1, 1997 in country the United States of America of this application, when received, on which the priority will be based; and 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 Assignce in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request; and I/we do hereby authorize Assignee or its designee (or nominee(s)) to insert here any corresponding equivalent Application No.___ __ Filing Date _ in country _ to the above Priority application of any country where that country's patent property must be identified and entered hereinabove for recordal of this Assignment. I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such as signed rights are not

Subscribed and Declared by me/us

At: day :	of19	 At: EVANST O	ON, ILLINOIS 60208 USA
	attached page for signature		as of August 1, 1
Full Name:	Yasushi Obora	Full Name:	Tobin J. Marks
Residence		Residence	2300 Central Park Avenue Evanston, Illinois 60201
Country	Japan	Country:	United States of America
Citizenship:	Japan	Citizenship:	United States of America
P O. Address:	Same as Residence		Same as Residence
Employed By:	Northwestern University*	Employed By:	Northwestern University
Of Country:	United States of America	Of Country:	United States of America
At:		At:	
this day	rot 19	thic day	of

this <u>1+h</u> day c	as of August 1, 1997
Signature:	J. V
Full Name:	Tobin J. Marks
Residence	2300 Central Park Avenue
	Evanston, Illinois 60201
Country:	United States of America
Citizenship: United States of America	
P. O. Address:	Same as Residence
Employed By:	Northwestern University
Of Country:	United States of America
•	
At:	of 10

At:	
this day of	19
Signature:	
Full Name:	
Residence	
Country.	
Citizenship:	
P. O. Address:	
Employed By:	
Of Country:	

encumbered by any grant, license, or other right heretofore given,

At: this day of	19
Signature:	
Full Name:	
Residence	
Country:	
Citizenship:	
P. O. Address:	
Employed By:	
Of Country:	

^{*} at the time the invention was made

⁽X) Additional names and signatures are attached.

This Form 881 is in the ENGLISH language and has the same meaning in other languages with the same 881 number.

FORM 881

Dow Case No. 42927A

SUBSCRIBING WITNESS AFFIDAVIT OF EXECUTION OF AN ASSIGNMENT

1. Pasush Chora
Whose full post office address is:
Make oath and say that I was personally present and did see: Yasushi Obora
Who is/are personally known or identified to me to be the inventor(s) named in the attached assignment, duly sign and execute the same for the purposes therein stated.
Signed at: Tinkuba, Iharaki, Japan
On this day of
Subscribing Witness

68/90

RECORDED: 12/02/1999

PATENT REEL: 010418 FRAME: 0097