08-31-2001

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09/869578

Patent and Trademark Office

Attorney Docket No. 01435.0118 Customer No.: 22,852

To the Honorable Commissioner of Pate

FORM PTO-1594 1-31-92

101829960

Please rec	ord the attached original docu.	ATTN. BOX ASSIGNMENTS		
1. Na	ame of conveying parties:	Name and address of receiving party:		
2)	Edmund M. CARNAHAN Ian M. MUNRO Marc A. SPRINGS	Name: THE DOWN CHEMICAL COMPANY		
	06/28/01	Name: THE DOW CHEMICAL COMPANY		
Additional r	names of conveying part attached? □ Yes ⊠ No	Internal Address:		
3. Na	ature of conveyance:	Street Address: 2030 Dow Center Midland, Michigan 48674, USA		
		City:		
⊠	Assignment	State: Zip Code:		
	Security Agreement □ Change of Nam	ne		
	Other	Additional name & Address attached?		
Execution I	1) February 22, 1999; 2) February 23, 1999; and Date: 3) March 2, 1999	□ Yes ⊠ No		
		ng filed together with a new application, the execution date of the		
application: A. Patent Application Number: Additional numbers attace		B. Patent Number:		
E 11	lame and address of party to whom correspondence	6. Total number of applications and registrations involved:		
5. N	oncerning document should be mailed:	1		
Name: _	Mr. Ernest F. Chapman	7. Total fee (37 CFR 3.41): \$40 ⊠		
Internal Ac	FINNEGAN, HENDERSON, FARABOW, GARRE ddress: & DUNNER, L.L.P.	Enclosed (Please charge deficiency to deposit account)		
		Authorized to be charged to deposit account		
Street Add	dress: 1300 I Street, N.W.			
City:	Washington	8. Deposit account number: <u>06-0916</u>		
State:	DC Zip: 20005-3315			
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.				
	Ernest F. Chapman	31,70'4 () June 29, 2001		
	Registration No. 25,961	Signature Date		
Total number of pages including cover sheet, attachments and documents: 4				

PATENT REEL: 012113 FRAME: 0135 FORM 110 (R 5/97)

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

Docket Ref. 44165

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

I/we 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: ROBUST, HIGH ACTIVITY, OLEFIN POLYMERIZATION CATALYSTS BY SEQUENTIAL IMPREGNATION OF METALLOCENE AND ACTIVATOR

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 DELAWARE, 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 United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the

and do hereby authorize	ze Assignee or its designee to insert her	ere the				
Application No. 60	/114,372Fil.	iling Date December 30, 1998				
in country the United	States of America					
of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the						
invention in any and a	ll countries. I/we do hereby agree to as	assist Assignee in the prosecution of the application(s) and in any				
interference, conflict,	opposition or litigation which may arise	se involving the invention or the patent or patents thereon, and to				
execute for any and al	I countries any document relating to ap-	pplications derived from, corresponding to or equivalent to the above				
identified application	as Assignee may request; and I/we do h	hereby authorize Assignee or its designee (or nominee(s)) to insert				
here any correspondir	here any corresponding equivalent Application No Filing Date					
Application No	Filin	ng Date				
in country		and entered hereinabove				
to the above Priority of	ipplication of any country where that co	its designee to translate this Assignment into all languages necessary;				
for recordal of this As	signment. I've authorize Assigned to Assign	his designee to translate this Assignment, or a Notarial signee; and consent to the recordal of this Assignment, or a Notarial have full power to make the same, but also that such assigned rights				
and we request that an	in a under covenant not only that I/we h	have full power to make the same, but also that such assigned rights				
True Copy thereof, be	y any grant, license, or other right heret	etofore given.				
are not encumbered by	y any gram, needse, or early regard	•				
Subscribed and Declared by me/us	••					
At: Freeport, Te	vas 77541. USA	At: Freeport, Texas 77541, USA				
this 22 day of	Interior 1999	this 23 day of Forkunky 1997				
Effective as of De		Effective as of December 30, 1998				
Effective as of De	Comber 50, 1990	Signature: In Manie				
s: 4	1. 1 // / / / / -					
Signature:	Edmand M. Carnahan	Full Name: Ian M. Munro				
I un i iumie.	4619 Twin Elm Drive	Residence: 460 HWY 332 W #163				
	Fresno, Texas 77545	Lake Jackson, Texas 77566				
i.	United States of America	Country: United States of America				
804	United States of America	Citizenship: Canada				
Cierrania	Same as Residence	P. O. Address: Same as Residence				
	The Dow Chemical Company	Employed By: The Dow Chemical Company				
Employ 5	United States of America	Of Country: United States of America				
Of Country:	United States of America					
		Att				
At: Freeport, T	exas 77541, USA	At:				
this 2 day	of MARCH 19 1	/ luits day or				
Effective as of D	ecember 30, 1998	1				
\sim 1 \sim 1	10.AS-	Signature:				
Signature: W	A- al	Full Name:				
Full Name:	Marc A. Springs	Residence:				
Residence:	118 Beechnut Street	Residence.				
1	Angleton, Texas 77515	Country				
Country:	United States of America	Country:				
Citizenship:	United States of America	Citizenship:				
P. O. Address:	Same as Residence	P. O. Address:				
Employed By:	The Dow Chemical Company	Employed By:				
Of Country:	United States of America	Of Country:				

This Assignment 222 is in the ENGLISH language and has the same meaning in other languages with the same 222 number and R/Date.

1212 ### 222 ### 222 #### 222 ### 222 ### 222 ### 222 ### 222 ### 222 #### 222 ### 222 ### 222 ### 222 ### 222 #### 22

Docket Ref. 44165 **FORM 222**

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA)
STATE OF TEXAS) SS
County/Parish of Brazoria)
On this 22 day of 7 www 199, personally appeared
before me,
Edmund M. Carnahan
known or identified to me to be the individual described in and who executed the
foregoing document and acknowledged the same as a free act and deed for uses and
purposes therein expressed.
manage exercise and the second of the second
SEATA AUTREY L BROWN Notary Public
Notary Public, State of Toxas
May Commission Expires Jun. 25, 2000
NOTARIAL CERTIFICATE (INDIVIDUAL)
ANALOGO OF ARAPPICA
UNITED STATES OF AMERICA)
STATE OF TEXAS) SS
County/Parish of Brazoria)
10.99
On this 23 day of Telegraphy 1999, personally appeared
before me,
Ian M. Munro
known or identified to me to be the individual described in and who executed the
foregoing document and acknowledged the same as a free act and deed for uses and
purposes therein expressed.
$(I + I + I)_{0}$
Notary Public
Notary Public
AUTREY L BROWN Notary Public, State of Texas Notary Public, State of Texas
Motary Public, State of The North Public, State
The state of the s
NOTARIAL CERTIFICATE (INDIVIDUAL)
UNITED STATES OF AMERICA)
STATE OF TEXAS) SS
County/Parish of Brazoria)
On this 2- day of Marck 19 99, personally appeared
On this 2- day of
before me,
Marc A. Springs
known or identified to me to be the individual described in and who executed the
foregoing document and acknowledged the same as a free act and deed for uses and
purposes therein expressed.
18 de La
Villy Alour
SEAL Notary Public
AUTREY L BHOTTEXAS
Notary Public, State St. 25, 2000 My Commission Expires Jan. 25, 2000
My Commence of the Commence of
The state of the s

This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number.

FORM 660

ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE:

THE DOW CHEMICAL COMPANY

2030 Dow Center

Midland, Michigan 48674

UNITED STATES OF AMERICA

hereby accept the ASSIGNMENT attached hereto which is dated: February 22, 1999; February 23, 1999;

March 2, 1999

From, the ASSIGNOR: Edmund M. Carnahan, 4619 Twin Elm Drive, Fresno, Texas 77545, United States of America; Ian M. Munro, 460 Highway 332 W #163, Lake Jackson, Texas 77566, United States of America; Marc A. Springs, 118 Beechnut Street, Angleton, Texas 77515, United States of America

of the invention entitled:

ROBUST, HIGH ACTIVITY, OLEFIN POLYMERIZATION CATALYSTS BY SEQUENTIAL IMPREGNATION OF METALLOCENE AND ACTIVATOR

without any restrictions and with all rights and obligations deriving therefrom and declare that this confirmation of acceptance shall be deemed a part of the said ASSIGNMENT.

The printer of the part of the other land in the other land			
Signed at Midland, Michigan 48674, USA this	5 day of august 1999		
CORP. SEAL	THE DOW CHEMICAL COMPANY BY: Show Sacc		
	STEPHEN S. GRACE		
	General Patent Counsel		

NOTARIAL CERTIFICATE (Corporation)

UNITED STATES OF AMERICA)
STATE OF MICHIGAN) SS
County/Parish of Midland)
	19, personally appeared before me, STEPHEN S.
On this day of GRACE, General Patent Counsel, The Dow	Chemical Company
larger or identified to me to be the individual	described in and who executed the foregoing document and for uses and purposes therein expressed by authority of the said he laws of the State of Delaware, United States of America.
which I have seen, appointing the said individual behalf of the said corporation and that the purobjects or activities of said corporation.	dual Attorney-in-Fact with full power to sign the foregoing document on rposes for which said document is granted are within the scope of the
SEAL	Notary Public Renee Allen Notary Public, Midland County, Michigan My Commission Expires April 24, 2002

lach this Assignee Acceptance 660 to an ASSIGNMENT in the English language

PATENT REEL: 012113 FRAME: 0138