PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Stephen W. King	12/17/2008
Stefan K. Mierau	12/17/2008

RECEIVING PARTY DATA

Name:	UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC	
Street Address:	2020 Dow Center	
City:	Midland	
State/Country:	MICHIGAN	
Postal Code:	48674	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12587355

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 66049-US-NP (DOW0015US)

NAME OF SUBMITTER: Paul L. Weaver

Total Attachments: 2

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PATENT REEL: 025584 FRAME: 0255 0.00 125873

501396982 REEL: 025584

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This Assignment 120 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and Ribate

FORM 110 (R 5/97)

Docket Ref. 66049

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:

LOW METAL LOADED, ALUMINA SUPPORTED, CATALYST COMPOSITIONS AND ANIMATION 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 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:

UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC

2020 Dow Center					
Midland, Michigan 48					
UNITED STATES OF a limited liability company organized and existing under the lav					
including provisional applications when permitted by law for Le	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					
	ternational Convention(s) and Treaties in the name of Assignee, and				
do hereby authorize Assignee or its designee to insert here the	remainded Convention(s) and Treaties in the name of Europee, and				
Application No. 61/195,434 Filin	og Date October 6, 2008				
in country the United States of America	S Date October 0, 2000				
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 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 in					
execute for any and all countries any document relating to applica					
	by authorize Assignee or its designee (or nominee(s)) to <u>insert here</u>				
any corresponding equivalent	· , · · · · · · · · · · · · · · · · · ·				
Application NoFiling L	Date				
in country	- more a concentration of more or communication				
to the above Priority application of any country where that coun	stry's patent property must be identified and entered hereinabove				
	esignee to translate this Assignment into all languages necessary;				
and we request that any such Letters Patent be issued to Assignee	e; and consent to the recordal of this Assignment, or a Notarial True				
	ower to make the same, but also that such assigned rights are not				
encumbered by any grant, license, or other right heretofore given.					
Subscribed and Declared by me/us:					
·					
At: South Charleston, West Virginia 25303, United States	At: South Charleston, West Virginia 25303, United States of				
of two-sizes	America				
this Dir day of DECEMENT , 2008	this The day of DECEMIES, 2008				
Effective as of October 6, 2008.	Effective as of October 6, 2008				
	, , , , , , , , , , , , , , , , , , ,				
Signature: Thur. Kun	Signature: Signature:				
Full Name: Stephen W. King	Full Name: Stefan K. Mierau				
Residence; 112 Leslie Drive	•				
Scott Depot, West Virginia 25560	South Charleston, West Virginia 25303				
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: Union Carbide Corporation	Employed By: Union Carbide Corporation				
Of Country: United States of America	Of Country: United States of America				
At:	At:				
/ A-C					
thisday of, 20	this day of, 20				
uits, 20,	uns day or, 20				
Signature:	Signature:				
Full Name:	Full Name:				
Residence:	Residence:				
Country:	Country:				
Citizenship:	Citizenship:				
P. O. Address:	P. O. Address:				
Employed By:	Employed By:				
Of Country	Of Country				

() Additional names and signatures are attached.

his Assignment 22) is in the EMCLISE language and has the same meaning in other languages with the same 231 manifer and Rebute

FORM 221

Docket Ref. 66049

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA STATE OF WEST VIRGINIA County/Parish of Kanawha)) SS)	
On this 17th day of Deca before me,	nbei	, 20 <u>08</u> , personally appeared
	Stephen W. K	ing
known or identified to me to be foregoing document and acknow purposes therein expressed.		
SEAL		Carla Daloslare Notary Public
NOTARIA	AL CERTIFICATI	E (INDIVIDUAL)
UNITED STATES OF AMERICA STATE OF WEST VIRGINIA County/Parish of Kanawha)) SS)	
On this 17 day of Doces before me,	nbei	, 20 <u>08</u> , personally appeared
	Stefan K. Mier	rau
known or identified to me to be t foregoing document and acknow purposes therein expressed.		

SEAL

RECORDED: 01/05/2011

PATENT REEL: 025584 FRAME: 0257