PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Stephanie M. Whited	07/07/2006
Michael A. Kinnan	08/08/2008

RECEIVING PARTY DATA

Name:	Union Carbide Chemicals & Plastics Technology Corporation	
Street Address:	2020 Dow Center	
City:	Midland	
State/Country:	MICHIGAN	
Postal Code:	48674	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11438754

CORRESPONDENCE DATA

Fax Number: (989)636-3237

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 989-636-0960

plkipfmiller@dow.com Email:

Correspondent Name: Pattie Kipfmiller

Address Line 1: The Dow Chemical Company

Address Line 2: 2040 Dow Center

Address Line 4: Midland, MICHIGAN 48674

ATTORNEY DOCKET NUMBER:	64795
NAME OF SUBMITTER:	Pattie Kipfmiller

Total Attachments: 4

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FORM 110 (R 5/97)

Docket Ref. 64795

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:

HIGH-DENSITY POLYETHYLENE COMPOSITIONS AND METHOD OF MAKING THE SAME

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, by virtue of my/our employe@greement(s) and contractual agreement(s) between our employer(s) and Union Carbide Chemicals & Plastics Technology Corporation, hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for UniorCarbide Chemicals & Plastics Technology Corporation. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work

1.	rom my/our emple	oyer, i/we sell, assign and transfer unto:	
			HEMICALS & PLASTICS TECHNOLOGY CORPORATION
		2020 Dow Center	0/71
		Midland, Michigan 4 United States of Amer	
а	corporation organ	nized and existing under the laws of the State	e of DELAWARE, U.S.A. (hereinafter referred to as the "Assignee"
n	ny/our entire right	, title and interest throughout the world, in ar	nd to the invention and all rights and powers to make applications,
i	ncluding provision	nal applications when permitted by law, for L	etters Patent in its own name, or in the name of its designee (or
n	ominee(s)); and a	Il rights and powers to file any corresponding	g or equivalent applications in any and all countries, including all
r	ights to claim prio	rity under all United States domestic laws, In	nternational Convention(s) and Treaties in the name of Assigneeand
d	o hereby authoriz	e Assignee or its designee to insert here the	Poly of the second
	pplication No. 1		Filing Date May 23, 2006
	of the application of	ited States of America	; and in and to any Letters Patent that may be issued for the
iı	nvention in any an	id all countries. I/we do hereby agree to assi	st Assignee in the prosecution of the application(s) and in any
i	nterference, confli	ct, opposition or litigation which may arise is	nvolving the invention or the patent or patents thereon, and to
е	xecute for any and	d all countries any document relating to appli	ications derived from, corresponding to or equivalent to the above
ic	dentified application	on as Assignee may request; and I/we do her	eby authorize Assignee or its designee (or nominee(s)) tonsert here
a	ny corresponding	eguivalent	
A	pplication No	Filing	Date
	n country		
<u> </u>	o the above Priori	ty application of any country where that cou	ntry's patent property must be identified and entered hereinabove
,/0	o <i>r recordiu oj inis</i> nd we request that	Assignment. I/we authorize Assignee or its	designee to translate this Assignment into all languages necessary; ee; and consent to the recordal of this Assignment, or a Notarial True
	one thereof being	g undercoverant not only that I/we have full	power to make the same, but also that such assigned rights are not
e	ncumbered by any	y grant, license, or other right heretofore give	power to make the same, but also mat such assigned rights are not
Subscribed a	and Declared by me	z/us:	
	At: Duth		At:
	this day		this day of , 20
Effective as of May 23, 2006			Effective as of May 23, 2006
	(ا	- m - 1	
	Signature:	must Vintre	Signature:
	Full Name:	Stephanie M. Whited	Full Name: Michael A. Kinnan
	Residence:	1915 Huber Rd.	Residence: 2298 Rutgers Street NW
		Charleston, West Virginia 25314	North Canton, Ohio 44720
	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 Chemicals & Plastics	Employed By: Union Carbide Chemicals & Plastics
		Technology Corporation	Technology Corporation
	Of Country:	United States of America	Of Country: United States of America
	At:		At:
	this day o	of, 20	this day of, 20
		ļ	
	e:	ļ	
	Signature: Full Name:		Signature: Full Name:
	Residence:		Residence:
	110000000	ļ	Residence.
	Country:		Country:
	Citizenship;	, and the second se	Citizenship:
	P. O. Address:		P. O. Address:
	Employed By:		Employed By:
	Of Country:		Of Country:

PATENT REEL: 021690 FRAME: 0791 This Assignment 220 is in the ENGLISH language and has the same meaning in other languages with the same 220 number and B/Date

FORM 220

Docket Ref. 64795

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA)
STATE OF WEST VICTOR) SS
County/Parish of Languing)

On this day of Juy, 2006, personally appeared before me,

Stephanie M. Whited

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.

COVERE SAL HOMARY PUBLIC STATE OF USE AND MITA J. DUBLAS SES PRESENCES SES P Notary Public

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

FORM 110 (R 5/97)

Docket Ref. 64795

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:

HIGH-DENSITY POLYETHYLENE COMPOSITIONS AND METHOD OF MAKING THE SAME

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, by virtue of my/our employe@greement(s) and contractual agreement(s) between our employer(s) and Union Carbide Chemicals & Plastics Technology Corporation, hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for UniorCarbide Chemicals & Plastics Technology Corporation. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work from my/our employer, l/we sell, assign and transfer unto:

UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION 2020 Dow Center United States of America

Midland, Michigan 48674 a corporation organized and existing under the laws of the State of DELAWARE, U.S.A. (hereinafter referred to as the "Assignce"); 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 Assigneeand do hereby authorize Assignee or its designee to insert here the Filing Date May 23, 2006 Application No. 11/438,754 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 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)) tonsert here any corresponding equivalent Filing Date Application No._ 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 undercovenant 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. Subscribed and Declared by me/us:

At: _ day of this Effective as of May 23, 2006 Signature: Stephanie M. Whited Full Name: 1915 Huber Rd. Residence: Charleston, West Virginia 25314 United States of America Country: United States of America Citizenship: Same as Residence P. O. Address: Union Carbide Chemicals & Plastics Employed By: Technology Corporation United States of America Of Country: this _____ day of __ Signature: Full Name: Residence: Country: Citizenship: P. O. Address: Employed By: Of Country:

At: Neck Cates OH
this s day of Atlaust , 20 a.
Effective as of May 23, 2006
Signature: W. Michael A. Kinnan Residence: 2298 Rutgers Street NW North Canton, Ohio 44720 Country: United States of America Citizenship: United States of America P. O. Address: Same as Residence Employed By: Union Carbide Chemicals & Plastics Technology Corporation Of Country: United States of America
At:
unsuay or
Signature:Full Name: Residence:
Country:
Citizenship:
P. O. Address:
Employed By:
Of Country:

PATENT REEL: 021690 FRAME: 0793 This Assignment 220 is in the ENGLISH language and has the same meaning in other languages with the same 220 number and R/Date

FORM 220

Docket Ref. 64795

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA)
STATE OF Ohio) SS
County/Parish of North Canton)

On this day of August, 2006, personally appeared before me,

Michael A. Kinnan

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.

SEAL

Linda J. Geffert, Notary State of Ohio My Commission Expires: 3/11/08

PATENT REEL: 021690 FRAME: 0794

RECORDED: 10/16/2008