

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

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FORM 110 (R 5/97)**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: **PIPES INCLUDING HIGH DENSITY MULTIMODAL POLYETHYLENE COMPOSITIONS**

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:

Dow Global Technologies LLC
2211 H.H. Dow Way
Midland, Michigan 48674
United States of America

an entity organized and existing under the laws of the state of Delaware, United States of America (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 Priority Number, Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country
63/497,118	April 19, 2023	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.

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 assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

At: Lake Jackson, Texas 77566, USA
 this 22 day of May, 20 23
 Effective as of April 19, 2023

Signature: 
 Full Name: Elva L. Lugo
 Mailing Address: 230 Abner Jackson Parkway
 Lake Jackson, Texas 77566
 United States of America

At: Lake Jackson, Texas 77566, USA
 this _____ day of _____, 20 _____
 Effective as of April 19, 2023

Signature: _____
 Full Name: Andrew T. Heitsch
 Mailing Address: 230 Abner Jackson Parkway
 Lake Jackson, Texas 77566
 United States of America

At: Midland, Michigan 48674, USA
 this _____ day of _____, 20 _____
 Effective as of April 19, 2023

Signature: _____
 Full Name: Todd A. Hogan
 Mailing Address: 633 Washington Street
 1702 Building
 Midland, Michigan 48667
 United States of America

At: Midland, Michigan 48674, USA
 this _____ day of _____, 20 _____
 Effective as of April 19, 2023

Signature: _____
 Full Name: Rachel C. Anderson
 Mailing Address: 1501 Larkin Center Drive
 Midland, Michigan 48674
 United States of America

At: South Charleston, West Virginia 25303, USA
 this _____ day of _____, 20 _____
 Effective as of April 19, 2023

Signature: _____
 Full Name: Joel D. Wieliczko
 Mailing Address: 1840 Union Carbide Drive
 South Charleston, West Virginia 25303
 United States of America

At: Lake Jackson, Texas 77566, USA
 this _____ day of _____, 20 _____
 Effective as of April 19, 2023

Signature: _____
 Full Name: Paul Balding
 Mailing Address: 230 Abner Jackson Parkway
 Lake Jackson, Texas 77566
 United States of America

(X) Additional names and signatures are attached.

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

FORM 110 (R 5/97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

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Dow Global Technologies LLC
2211 H.H. Dow Way
Midland, Michigan 48674
United States of America

an entity organized and existing under the laws of the state of **Delaware**, United States of America (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 Priority Number, Filing Date, and Filing Country

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Subscribed and Declared by me/us:

At: _____ Lake Jackson, Texas 77566, USA
this _____ day of _____, 20 ____
Effective as of April 19, 2023

Signature: _____
Full Name: Elva L. Lugo
Mailing Address: 230 Abner Jackson Parkway
Lake Jackson, Texas 77566
United States of America

At: Lake Jackson, Texas 77566, USA
this _____ day of _____, 20____
Effective as of April 19, 2023

Signature: _____
Full Name: Andrew T. Heitsch
Mailing Address: 230 Abner Jackson Parkway
Lake Jackson, Texas 77566
United States of America

At: Midland, Michigan 48674, USA
this 16 day of May, 20 23
Effective as of April 19, 2023
Signature: Todd A. Hogan
Full Name: Todd A. Hogan
Mailing Address: 633 Washington Street
1702 Building
Midland, Michigan 48667
United States of America

At: _____ Midland, Michigan 48674, USA
this _____ day of _____, 20____
Effective as of April 19, 2023

Signature: _____
Full Name: Rachel C. Anderson
Mailing Address: 1501 Larkin Center Drive
Midland, Michigan 48674
United States of America

At: South Charleston, West Virginia 25303, USA
this _____ day of _____, 20 ____
Effective as of April 19, 2023

Signature: _____
Full Name: Joel D. Wieliczko
Mailing Address: 1840 Union Carbide Drive
South Charleston, West Virginia 25303
United States of America

At: _____ Lake Jackson, Texas 77566, USA
this _____ day of _____, 20____
Effective as of April 19, 2023

Signature: _____
Full Name: Paul Balding
Mailing Address: 230 Abner Jackson Parkway
Lake Jackson, Texas 77566
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Midland, Michigan 48674
United States of America

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Subscribed and Declared by me/us:

At: Lake Jackson, Texas 77566, USA
this **day of** , 20
Effective as of April 19, 2023

Signature: _____
Full Name: Elva L. Lugo
Mailing Address: 230 Abner Jackson Parkway
 Lake Jackson, Texas 77566
 United States of America

At: Lake Jackson, Texas 77566, USA
 this day of , 20
 Effective as of April 19, 2023

Signature: _____
 Full Name: Andrew T. Heitsch
 Mailing Address: 230 Abner Jackson Parkway
 Lake Jackson, Texas 77566
 United States of America

At: Midland, Michigan 48674, USA
this day of , 20
Effective as of April 19, 2023

Signature: _____
Full Name: Todd A. Hogan
Mailing Address: 633 Washington Street
1702 Building
Midland, Michigan 48667
United States of America

At: Midland, Michigan 48674, USA
this 7 day of June, 20 23
Effective as of April 19, 2023

Signature: [Signature]
Full Name: Rachel C. Anderson
Mailing Address: 1501 Larkin Center Drive
Midland, Michigan 48674
United States of America

At: South Charleston, West Virginia 25303, USA
 this day of , 20
 Effective as of April 19, 2023

Signature: _____
 Full Name: Joel D. Wieliczko
 Mailing Address: 1840 Union Carbide Drive
 South Charleston, West Virginia 25303
 United States of America

At: Lake Jackson, Texas 77566, USA
 this day of , 20
 Effective as of April 19, 2023

Signature: _____
 Full Name: Paul Balding
 Mailing Address: 230 Abner Jackson Parkway
 Lake Jackson, Texas 77566
 United States of America

(X) Additional names and signatures are attached.

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2211 H.H. Dow Way
Midland, Michigan 48674
United States of America

an entity organized and existing under the laws of the state of Delaware, United States of America (hereinafter referred to as the "Assignee"); my/or 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 Priority Number, Filing Date, and Filing Country

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Subscribed and Declared by me/us:

At: Lake Jackson, Texas 77566, USA
this day of , 20
Effective as of April 19, 2023

Signature: _____
Full Name: Elva L. Lugo
Mailing Address: 230 Abner Jackson Parkway
Lake Jackson, Texas 77566
United States of America

At: Lake Jackson, Texas 77566, USA
 this day of , 20
 Effective as of April 19, 2023

Signature: _____
 Full Name: Andrew T. Heitsch
 Mailing Address: 230 Abner Jackson Parkway
 Lake Jackson, Texas 77566
 United States of America

At: _____ Midland, Michigan 48674, USA
this _____ day of _____, 20 ____
Effective as of April 19, 2023

Signature: _____
Full Name: Todd A. Hogan
Mailing Address: 633 Washington Street
1702 Building
Midland, Michigan 48667
United States of America

At: _____ Midland, Michigan 48674, USA
this _____ day of _____, 20 _____
Effective as of April 19, 2023

Signature: _____
Full Name: Rachel C. Anderson
Mailing Address: 1501 Larkin Center Drive
Midland, Michigan 48674
United States of America

At: South Charleston, West Virginia 25303, USA
this 16 day of May, 20 23
Effective as of April 19, 2023
Signature: Joel D. Wieliczko
Full Name: Joel D. Wieliczko
Mailing Address: 1840 Union Carbide Drive
South Charleston, West Virginia 25303
United States of America

At: Lake Jackson, Texas 77566, USA
this day of , 20
Effective as of April 19, 2023

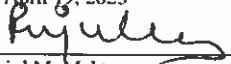
Signature: _____
Full Name: Paul Balding
Mailing Address: 230 Abner Jackson Parkway
Lake Jackson, Texas 77566
United States of America

(X) Additional names and signatures are attached.

[illegible]

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Additional names, addresses and signatures to be attached to Form No. 110 **INDIVIDUAL ASSIGNMENT AND INVENTORS DECLARATION**

At: Houston, Texas 77566, USA
 this 16th day of MAY, 2023
 Effective as of April 19, 2023
 Signature: 
 Full Name: Rujul M. Mehta
 Mailing Address: 230 Abner Jackson Parkway
Lake Jackson, Texas 77566
United States of America

At: _____
 this _____ day of _____, 20____
 Signature: _____
 Full Name: _____
 Mailing Address: _____

At: _____
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