

TRUE COPY

TO ALL TO WHOM THESE PRESENTS SHALL COME,

I Do Hereby Certify that the annexed document(s) are TRUE COPIES of the original document(s) which I have compared. The original document(s) contains the authentic signature(s) from the inventor(s).

at Lake Jackson, Texas 77566, USA

this 11th day of September 20 17



Angela Paul
Office Professional
THE DOW CHEMICAL COMPANY

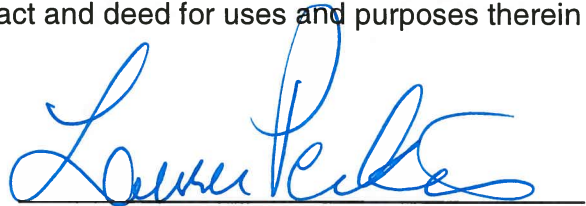
NOTARIAL CERTIFICATE

UNITED STATES OF AMERICA)
STATE OF **TEXAS**) SS
County/Parish of **Brazoria**)

On this 11th day of September 20 17, personally
appeared before me,

Angela Paul

known or identified to me to be the individual who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.



Notary Public

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

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: **DOW GLOBAL TECHNOLOGIES LLC**
2040 Dow Center
Midland, Michigan 48674
United States of America

hereby accept the ASSIGNMENT which is dated: **November 6, 2015**

From, the ASSIGNOR: **DOW BRASIL INDUSTRIA E COMERCIO DE PRODUCTOS**
QUIMICOS LTDA.
Avenida das Nações Unidas, 14171, Diamond Tower
Santo Amaro
Cep. 04794-000 São Paulo - Sp
Brazil

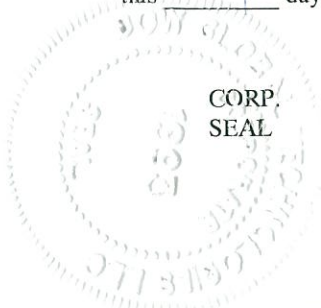
of the invention entitled:

PROCESS FOR PRODUCING FLEXIBLE CONTAINER WITH MICROCAPILLARY
DISPENSING SYSTEM

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.

Signed at Midland, Michigan 48674, USA

this 4 day of Dec, 20 15



DOW GLOBAL TECHNOLOGIES LLC

By: Susan M Zerull

SUSAN M. ZERULL

Authorized Representative

NOTARIAL CERTIFICATE

UNITED STATES OF AMERICA)
 STATE OF MICHIGAN) SS
 County/Parish of Midland)

On this 4 day of December, 20 15, personally appeared before me, **SUSAN M. ZERULL, Authorized Representative**, 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 by authority of the said entity organized and existing under the laws of **the State of Delaware, United States of America**.

I further certify that said authority, dated **June 1, 2014**, is based on

A delegation of signature authority of said Limited Liability Company

which I have seen, appointing the said individual Authorized Representative with full power to sign the foregoing document on behalf of the said entity and that the purposes for which said document is granted are within the scope of the objects or activities of said entity.

SEAL

Kathy Sue Wertz

Kathy Sue Wertz

Kathy Sue Wertz
NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN
MY COMMISSION EXPIRES APRIL 07, 2018

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

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: **DOW BRASIL INDÚSTRIA E COMÉRCIO DE PRODUTOS QUÍMICOS LTDA.**
Avenida das Nações Unidas, 14171, Diamond Tower
Santo Amaro
Cep. 04794-000 São Paulo - SP
Brazil

hereby accept the ASSIGNMENT which is dated: September 29, 2015 and September 29, 2015, respectively

From, the ASSIGNOR: Marcos Franca, R. Camilo Nader 315 Apt. 52, 05688-032 Sao Paulo, Brazil, Citizen of Brazil and Bruno Rufato Pereira, Alameda Garoupa 110, 06540-385 Santana De Parnaiba, Brazil, Citizen of Brazil

of the invention entitled:

PROCESS FOR PRODUCING FLEXIBLE CONTAINER WITH MICROCAPILLARY DISPENSING SYSTEM

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.

Signed at São Paulo, Brazil

this 6th day of November, 20 15

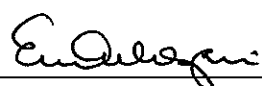
CORP.
SEAL

DOW BRASIL INDÚSTRIA E COMÉRCIO DE PRODUTOS QUÍMICOS LTDA.

By: 
FERNANDO FERNANDES SIGNORINI
Director

CORP.
SEAL

DOW BRASIL INDÚSTRIA E COMÉRCIO DE PRODUTOS QUÍMICOS LTDA.

By: 
ELIZABETE CRISTINA DELAZARI
Director

VISTO JURÍDICO
 Arthur Sztrefenfeld

SUBSCRIBING WITNESS

AFFIDAVIT OF EXECUTION

(CORPORATE OFFICER)

I, Victor Augusto Penno Macena

Whose full post office address is:

Avenida das Nações Unidas, nº. 14.171, Condomínio Rochaverá, Edifício Diamond Tower, Bairro Santo Amaro, CEP 04794-000

Make Oath and say that I was personally present and did see:

Fernando Fernandes Signorini

of **DOW BRASIL INDÚSTRIA E COMÉRCIO DE PRODUTOS QUÍMICOS LTDA.**

known or identified to me to be the individual(s) described and who executed the foregoing document and that said individual has full authority to sign the document on behalf of the said corporation and that the purposes for which said document is granted are within the scope of the objectives or activities of said corporation and acknowledge the same as a free act and deed for uses and purposes therein expressed.

Signed at: São Paulo

On this 06th day of NOVEMBER 20 15

Victor Augusto Penno Macena
Subscribing Witness

SUBSCRIBING WITNESS
AFFIDAVIT OF EXECUTION

(CORPORATE OFFICER)

I, Raissa Oliveira Rocha Silva

Whose full post office address is:

Avenida das Nações Unidas, n°. 14.171, Condomínio Rochaverá, Edifício Diamond Tower, Bairro Santo Amaro, CEP 04794-000

Make Oath and say that I was personally present and did see:

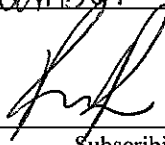
Fernando Fernandes Signorini

of **DOW BRASIL INDÚSTRIA E COMÉRCIO DE PRODUTOS QUÍMICOS LTDA**

known or identified to me to be the individual(s) described and who executed the foregoing document and that said individual has full authority to sign the document on behalf of the said corporation and that the purposes for which said document is granted are within the scope of the objectives or activities of said corporation and acknowledge the same as a free act and deed for uses and purposes therein expressed.

Signed at: São Paulo

On this 06th day of November 20 15



Subscribing Witness

VISTO JURÍDICO
Arthur Szterenfeld

[illegible]

This Assignment 440 is in the ENGLISH language and has the same meaning in other languages with the same 440 number.

FORM 440

ASSIGNMENT

(with Priority Rights)
and

INVENTORSHIP DECLARATION

We, ASSIGNOR, of: **DOW BRASIL INDÚSTRIA E COMÉRCIO DE PRODUTOS QUÍMICOS LTDA.**
Avenida das Nações Unidas, 14171, Diamond Tower
Santo Amaro
Cep. 04794-000 São Paulo - SP
Brazil

an entity organized and existing under the laws of **the State of , United States of America** do hereby claim and declare that we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof from the sole, true and first inventor(s):

Marcos Franca, R. Camilo Nader 315 Apt. 52, 05688-032 Sao Paulo, Brazil, Citizen of Brazil and Bruno Rufato Pereira, Alameda Garoupa 110, 06540-385 Santana De Parnaiba, Brazil, Citizen of Brazil

by an Assignment dated: September 29, 2015 and September 29, 2015, respectively of an invention relating to and entitled:
PROCESS FOR PRODUCING FLEXIBLE CONTAINER WITH MICROCAPILLARY
DISPENSING SYSTEM

We do hereby declare, for good and valuable consideration, received, sell, assign, and transfer unto:

WE, the ASSIGNEE: **DOW GLOBAL TECHNOLOGIES LLC**
2040 Dow Center
Midland, Michigan 48674
United States of America

an entity organized and existing under the laws of the State of Delaware, United States of America our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make application for Letters Patent in its own name, or in the name of its nominee; and all rights and powers to file any reissue, divisional, continuing or substitute application and any corresponding applications in any and all countries, including all rights to claim priority under all International Conventions and Treaties in the name of said Assignee, and do hereby authorize said Assignee to insert here the Priority Number, Filing Date, and Filing Country

Priority Number	Filing Date	Filing Country
62/186,103	June 29, 2015	United States of America

of the application on which the priority will be based; and in and to any Letters Patent that may be issued for said invention in any and all countries; and we do hereby agree to assist said Assignee in the prosecution of the said applications and in any interference, conflict, opposition or litigation which may arise involving said invention or the patent or patents thereon, and to execute any reissue, divisional, continuing or substitute application and assent to their making any applications in other countries corresponding to the above and below specifically identified application, as may be requested by said Assignee; and we do hereby authorize said Assignee to insert here the corresponding Application Number, Filing Date, and Filing Country

Application Number	Filing Date	Filing Country

of the corresponding application in any country where that patent property must be entered for recordal of this Assignment; and we do hereby authorize and request that any such Letters Patent be issued to said Assignee in accordance herewith, and consent to the recordal of this Assignment being under covenant, not only that 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.

Signed at **São Paulo, Brazil**

this 6th day of November, 20 15

**DOW BRASIL INDÚSTRIA E COMÉRCIO DE
PRODUTOS QUÍMICOS LTDA.**

CORP.
SEAL

By: FERNANDO FERNANDES SIGNORINI
Director

**DOW BRASIL INDÚSTRIA E COMÉRCIO DE
PRODUTOS QUÍMICOS LTDA.**

CORP.
SEAL.

By: ELIZABETE CRISTINA DELAZARI
Director

VISTO JURÍFICO
Arthur Szterenfeld

SUBSCRIBING WITNESS
AFFIDAVIT OF EXECUTION

(CORPORATE OFFICER)

I, Victor Augusto Penno Macena

Whose full post office address is:

Avenida das Nações Unidas, nº. 14.171, Condomínio Rochaverá, Edifício Diamond Tower, Bairro Santo Amaro, CEP 04794-000

Make Oath and say that I was personally present and did see:

Elizabete Cristina Delazari

of **DOW BRASIL INDÚSTRIA E COMÉRCIO DE PRODUTOS QUÍMICOS LTDA**

known or identified to me to be the individual(s) described and who executed the foregoing document and that said individual has full authority to sign the document on behalf of the said corporation and that the purposes for which said document is granted are within the scope of the objectives or activities of said corporation and acknowledge the same as a free act and deed for uses and purposes therein expressed.

Signed at: São Paulo

On this 16th day of NOVEMBER 20 15

Victor Macena
Subscribing Witness

VISTO
Arthur S. [Signature]

SUBSCRIBING WITNESS
AFFIDAVIT OF EXECUTION

(CORPORATE OFFICER)

I, Raissa Oliveira Rocha Silva

Whose full post office address is:

Avenida das Nações Unidas, nº. 14.171, Condomínio Rochaverá, Edifício Diamond Tower, Bairro Santo Amaro, CEP 04794-000

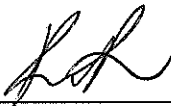
Make Oath and say that I was personally present and did see:

Elizabete Cristina Delazari

of **DOW BRASIL INDÚSTRIA E COMÉRCIO DE PRODUTOS QUÍMICOS LTDA**

known or identified to me to be the individual(s) described and who executed the foregoing document and that said individual has full authority to sign the document on behalf of the said corporation and that the purposes for which said document is granted are within the scope of the objectives or activities of said corporation and acknowledge the same as a free act and deed for uses and purposes therein expressed.

Signed at: São Paulo
On this 06th day of November 20 15



Subscribing Witness


VISTO JURÍDICO
Anna Szterenfeld

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

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)

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: **PROCESS FOR PRODUCING FLEXIBLE CONTAINER WITH MICROCAPILLARY DISPENSING SYSTEM**

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 Brasil Industria E Comercio de Produtos Quimicos LTDA.
Avenida das Nacoes Unidas
14171 Diamond Tower
Santo Amaro, Sao Paulo
04794-000 Brazil

an entity organized and existing under the laws of Brazil (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
62/186,103	June 29, 2015	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: Sao Paulo, SP, Brazil
this 29 day of September, 20 15
Effective as of June 29, 2015
Signature: [Signature]
Full Name: Marcos Franca
Mailing Address: R. Camilo Nader 315 Apt. 52
05688-032 Sao Paulo
Brazil

At: Sao Paulo SP 04794000 Brazil
this 29 day of September, 20 15
Effective as of June 29, 2015
Signature: [Signature]
Full Name: Bruno Rufato Pereira
Mailing Address: Alameda Garoupa 110
06540-385 Santana De Parnaiba
Brazil

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

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

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

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

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

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: **DOW GLOBAL TECHNOLOGIES LLC**
2040 Dow Center
Midland, Michigan 48674
United States of America

hereby accept the ASSIGNMENT which is dated: September 27, 2015; and October 14, 2015 respectively

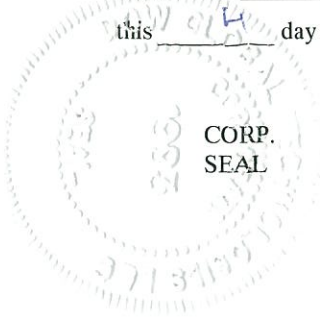
From, the ASSIGNOR: Wenyi Huang, 2040 Dow Center, Midland, Michigan 48674, United States of America, Citizen of People's Republic of China and Laura J. Dietsche, 2040 Dow Center, Midland, Michigan 48674, United States of America, Citizen of United States of America

of the invention entitled:

PROCESS FOR PRODUCING FLEXIBLE CONTAINER WITH MICROCAPILLARY DISPENSING SYSTEM

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.

Signed at Midland, Michigan 48674, USA
 this 4 day of Dec, 20 15



DOW GLOBAL TECHNOLOGIES LLC

By: Susan M Zerull
SUSAN M. ZERULL
 Authorized Representative

NOTARIAL CERTIFICATE

UNITED STATES OF AMERICA)
 STATE OF MICHIGAN) SS
 County/Parish of Midland)

On this 4 day of December, 20 15, personally appeared before me, **SUSAN M. ZERULL, Authorized Representative**, 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 by authority of the said entity organized and existing under the laws of **the State of Delaware, United States of America**.

I further certify that said authority, dated **June 1, 2014**, is based on

A delegation of signature authority of said Limited Liability Company

which I have seen, appointing the said individual Authorized Representative with full power to sign the foregoing document on behalf of the said entity and that the purposes for which said document is granted are within the scope of the objects or activities of said entity.

SEAL

Kathy Sue Wertz

Kathy Sue Wertz

Kathy Sue Wertz
 NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN
 MY COMMISSION EXPIRES APRIL 07, 2018

(with Priority Rights)

At: _____
this _____ day of _____, 20 _____

Signature: _____

Full Name: _____

Mailing Address: _____

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: **PROCESS FOR PRODUCING FLEXIBLE CONTAINER WITH MICROCAPILLARY DISPENSING SYSTEM**

Dow Global Technologies LLC
2040 Dow Center
Midland, Michigan 48674

an entity organized and existing under the laws of the state of Delaware (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
62/186,103	June 29, 2015	United States of America

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: _____
this _____ day of _____, 20 _____
Effective as of June 29, 2015

Signature: _____
Full Name: Wenyi Huang
Mailing Address: 2040 Dow Center
Midland, Michigan 48674
United States of America

At: Midland, MI 48640 USA
this 14th day of October, 20 15
Effective as of June 29, 2015

Signature: Laura J. Dietsche
Full Name: Laura J. Dietsche
Mailing Address: The Dow Chemical Company
1616 Building
Midland, Michigan 48667
United States of America

At: _____
this _____ day of _____, 20 _____

Signature: _____
Full Name: _____
Mailing Address: _____

At: _____
this _____ day of _____, 20 _____

Signature: _____
Full Name: _____
Mailing Address: _____

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

At: _____
this _____ day of _____, 20 _____

Signature: _____
Full Name: _____
Mailing Address: _____