PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	RESUBMISSION
NATURE OF CONVEYANCE:	ASSIGNMENT
RESUBMIT DOCUMENT ID:	505752711

CONVEYING PARTY DATA

Name	Execution Date
SCOTT WEIL	10/01/2019
ZHONGMING WANG	10/21/2019
ROGER P SMITH	10/01/2019

RECEIVING PARTY DATA

Name:	OWENS-BROCKWAY GLASS CONTAINER INC.	
Street Address:	ONE MICHAEL OWENS WAY	
City:	PERRYSBURG	
State/Country:	OHIO	
Postal Code:	43551	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16590062

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 567-336-7897
Email: patents@o-i.com
Correspondent Name: STEPHEN L. SCHARF

Address Line 1: ONE MICHAEL OWENS WAY
Address Line 4: PERRYSBURG, OHIO 43551

ATTORNEY DOCKET NUMBER:	19517
NAME OF SUBMITTER:	STEPHEN L. SCHARF
SIGNATURE:	/Stephen L. Scharf/
DATE SIGNED:	02/25/2020

Total Attachments: 3

source=19517Assignment-Weil#page1.tif source=19517Assignment-Wang#page1.tif source=Assignment-Smith#page1.tif

PATENT 505933832 REEL: 051930 FRAME: 0361

ASSIGNMENT

WHEREAS, I, Scott Well of 26400 Fort Meigs Rd., Apt. 19, Perrysburg, OH 43661, U6 heroinafter referred to as ASSIGNOR, has invented certain improvements in an invention entitled "Selective Chemical Fining of Small Butbles in Glass" for which an application for a United States Patent was filled in the United States Patent & Trademark Office (USPTO) on OCHOXII. ZOF and thereafter received a USPTO Serial Number of 16/15/10/05

AND WHEREAS, Owens-Brockway Glass Container Inc., hereinafter referred to as ASSIGNEE, a corporation organized and existing under the laws of the state of Delaware and naving a place of business located at One Michael Owens Way, Perrysburg, Ohio 43661-2999, U.S.A., is desirous of soquiring the entire right, fille and interest in and to said invention as described in said application.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and pufficiency of which are hereby acknowledged, I, as ASSIGNOP, do hereby sell, assign, transfer and convey unto ASSIGNEE, my entire right, title and interest, including all priority rights in the United States of America and all countries foreign thereto and under any or all international Conventions associated with each of said loreign countries, in and to: (A) said invention as described in said application, (B) said application and any continuation or continuation-in-part application(s) of said application including all patentable subject matter disclosed therein, (C) any United States Patent(s) including any reissue, re-examination, extension or renewal of said United States Patent(s) that may be granted in pursuance of said application(s). (D) any foreign patent application(s) that may be countries foreign to the United States of America, and (E) any foreign patent(s) granted on said foreign patent application(s).

I, as ASSIGNOR, hereby agree, without any additional consideration, to cooperate with and to assist ASSIGNEE in the filing and prosecution of said application(s) and to perform any other acts as ASSIGNEE or its successors, assigns, designees or legal representatives may deem necessary to secure to ASSIGNEE the rights and interest herein assigned and to acquire, hold, enforce, convey and uphold validity of any of said patenti(s), and upon request, to execute all papers including those required for said applications(s) or said patents(s). It as ASSIGNOR, hereby represent and warrant that I have not granted any right, title or interest framed herein.

I, as ASSIGNOR, hereby authorize ASSIGNEE and its legal representatives to apply for foreign patients based on said invention or on said application(s), in ASSIGNEE'S own name or through its successors, assigns, designees, legal representatives, subsidiaries or related companies, under an international Convention or otherwise, and to enter into the appropriate spaces above in this ASSIGNMENT document, the filling date and USPTO Senai Number of said application for United States Patent, when known.

I, as ASSIGNOR, hereby authorize and request the Commissioner of Patents of the USPTO to issue any of said United States Patents to ASSIGNEE of the entire right, title and interest in and to any of said applications or United States Patents for the sole use and behoof of ASSIGNEE to the full ends of the respective ferms for which said patent is granted.

I, as ASSIGNOR, hereby authorize and request the Commissioner of Patents (or the equivalent) in any organizations or countries foreign to the United States of America to issue any said foreign patent(s) to ASSIGNEE of the entire right, fille and interest in and to any of said foreign patent application(s) or foreign patent(s) for the rick use and behoof of ASSIGNEE to the full ends of the respective terms for which said patent is greaterd.

This ASSIGNMENT is governed by and is to be construed in accordance with the laws of the State of Chic, U.S.A. No representations, warranties, collateral assignments or conditions affecting this ASSIGNMENT are valid other than those expressed in this ASSIGNMENT. ASSIGNOR agrees that the provisions of this ASSIGNMENT are fully brinding on ASSIGNOR and that ASSIGNOR's respective heirs, executors, assigns and administrators have no right, title or inferest in any of said applications, inventions or patents whatsoever.

IN WITNESS WHEREOF, the undersigned ASSIGNOF has caused his name to be subscribed hereto this extstyle extstyle

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October 201

ASSIGNOR SIGNATURE
ASSIGNOR NAME

STATE OF OHIO)
COUNTY OF WOOD 1

On this Lagran CADES ___2019, before me, the undersigned Notary Public in and for Wood County, State of Ohio, U.S.A., personally appeared Scut! Well who is known to me to be the same person whose name is subscribed above to this instrument, and who acknowledged that he has signed, seeled and delivered this ignitionent as his free and voluntary act for the purposes herein set forth.

Notary Public

ASSIGNMENT

WHEREAS, I, Zhongming Wang of 4686 Sycamore Dr., Ypettanti, Mt. 46197, US hereinstler referred to as ASSIGNOR, has inversed consist improvements in an invention existed "Selective Chemical Fining of Small Bubbles in Glass" for which an application for a Ugled States Patest was feed in the United States Patest 8 Trademark Office (USP10) on <u>OCHANIC L, 2011</u>, and incredities received a USP10 Social Number of 1W/1910, OUSE.

AND WHEREAS, Owens-Brookway Glass Container Inc., hereinsher referred to as ASSIGNES, a corporation organized and enging under the laws of the state of Celaware and having a place of husiness located in One Michael Ciwans Way, Perrysbury, Otto 40651-2009, U.S.A., is presente of adjusting the militeright, title and interest in and to said inversion as described in said application including all patentable subject matter disclosed in said application.

NOW, THEREPORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby adamaziedged, i. as ASS GNOR, do heraby sell, assign, hansler and convey unto ASSIGNEE, my entire right, bite and interest, including all missity rights in the United States of America and all countries foreign thereto and under any far all International Conventions, associated with each of said foreign countries, in seat to (A) said. invention as described in said application, (B) said application and any continuation or continuation-in-pain application(a) of said application including all patentiaties subject matter displaced therein, (C) any United Status Patent(s) including any traces, in examination, extension or renewal of salid United Status Patent(s) that may be granted in pursuance of said application(s), (D) any foreign patent application(s) that may be filed on said invention, or based on said application(s), is organizations or countries foreign to the United States of America, and (F) any foreign patent(s) gramed on said foreign patent application(s).

It as ASSIGNOR, hereby agree, withour any autilitional consideration, to cooperate with and to essist ASSIGNES in the titing and proceduling disable application(s) and to perform any other actuals. ASSIGNEE or its successors, assigns, designant to legal representatives may deem necessary to secture to ASSIGNEE. the rights and interest herein assigned and to acquire, hold, enforce, convey and technic validity of any of each patent(s), and upon request to execute all papers including those required for said applications(s) or said patents(s). It is a ASSIGNOS, hereby represent and warrant that I have not granted any right, title or interest that would be econsistent with the right, title and interest gramed harein.

Las ASSIGNOR, nemby authorize ASSIGNES and its legal representatives to apply for foreign patents based on said invention of on said application(s). in ASSIGNEES own name or through its successors, assigns, designees, liquit representatives, substitutes or related companies, under an infernational Convention of omerwise, and to enter into the appropriate spaces above in this ASSIGNMENT document, the filling date and USPTO Serial Number of said application for Unlimit States. Palant, when known.

1, as ASSIGNOB, hereby authorize and request the Commissioner of Patents of the USPTO to issue any of said Onlied States Petents to ASSIGNEE of the entire right, title and interest in and to any of said applications or United Status Patents for the sole use and behalf of ACS/GNEE to the full ends of the respective terms for which suct patent is granted...

1, as ASSIGNOR, heleby authorize and request the Commissioner of Patents (or the equivalent) is any organizations or outsides family to the United States. of America to becausely said feetign patients) to ASSIGNEE or the entire right, title and interest in and to any of haid feetign patient espiritation(c) or foreign patent(s) for the case use and behapf of ASSASNEE in the full ends of the escapeative terms for which said patent is gramed.

This ASSIGNMENT is governed by end is to be construed in accordance with the fact of the State of Ohio, U.S.A. No representations, warranties, collisional anagements or conditions plinning this ASSIGNACKY are valid other than provide appeared in this ASSIGNACKY, ASSIGNOR agrees that the provides of this ASSIGNMENT are fully binding on ASSIGNOR and that ASSIGNOR'S respective heirs, execution, audigos and administrators have no right, little or interest in any of said. applications, inventions of patents what bever,

(BIMITNESS WHEREOF, the undereigned ASSIGNOR has caused his name to be substitled becautible \mathbb{Z}_{+}^{1} day of

ASSIGNOS SIGNATURES

STATE OF OHIO

 QQ_{-} , 2013, before me, the understyled Notary Public in and for Viceo County, State of Orio, U.S.A., personally appeared. of Warg Xe is known to me to be the come points, whose name is substituted above to this copyright, and atto acknowledged that he has strongly and acknowledged that he has strongly and acknowledged that he has strongly and acknowledged that he has strongly acknowledged that he

greed at the tree and voluntary and for the purposes herein set forth.

NOTARY PUBLIC STATE OF ONIO

commission Expirate May 12, 20020

REEL: 051930 FRAME: 0363

ASSIGNOS NAME:

PATENT

ASSIGNMENT

WHEREAS, I, Roger P. Smith of 820 Bridgeton Ln., Perrysburg, OH 43551, US hereinafter referred to as ASSIGNOR, has invented certain improvements in an invention entitled "Selective Chemical Fining of Small Bubbles in Glass" for which an application for a United States Patent was filed in the United States Patent & Trademark Office (USPTO) on Cache 1, 2019 and thereafter received a USPTO Serial Number of 14/590,062+

AND WHEREAS, Owens-Brockway Glass Container Inc., hereinafter referred to as ASSIGNEE, a corporation organized and existing under the laws of the state of Delaware and having a place of business located at One Michael Owens Way, Perrysburg, Ohio 43551-2999, U.S.A., is desirous of acquiring the entire right, title and interest in and to said invention as described in said application including all patentable subject matter disclosed in said application.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as ASSIGNOR, do hereby sell, assign, transfer and convey unto ASSIGNEE, my entire right, title and interest, including all priority rights in the United States of America and all countries foreign thereto and under any or all International Conventions associated with each of said foreign countries, in and to: (A) said invention as described in said application, (B) said application and any continuation or continuation-in-part application(s) of said application including all patentable subject matter disclosed therein, (C) any United States Patent(s) including any reissue, re-examination, extension or renewal of said United States Patent(s) that may be granted in pursuance of said application(s), (D) any foreign patent application(s) that may be filled on said invention, or based on said application(s), in organizations or countries foreign to the United States of America, and (E) any foreign patent(s) granted on said foreign patent application(s).

I, as ASSIGNOR, hereby agree, without any additional consideration, to cooperate with and to assist ASSIGNEE in the filing and prosecution of said application(s) and to perform any other acts as ASSIGNEE or its successors, assigns, designees or legal representatives may deem necessary to secure to ASSIGNEE the rights and interest herein assigned and to acquire, hold, enforce, convey and uphold validity of any of said patent(s), and upon request, to execute all papers including those required for said applications(s) or said patents(s). I, as ASSIGNOR, hereby represent and warrant that I have not granted any right, title or interest that would be inconsistent with the right, title and interest granted herein.

I, as ASSIGNOR, hereby authorize ASSIGNEE and its legal representatives to apply for foreign patents based on said invention or on said application(s), in ASSIGNEE'S own name or through its successors, assigns, designees, legal representatives, subsidiaries or related companies, under an International Convention or otherwise, and to enter into the appropriate spaces above in this ASSIGNMENT document, the filling date and USPTO Serial Number of said application for United States Patent, when known.

I, as ASSIGNOR, hereby authorize and request the Commissioner of Patents of the USPTO to issue any of said United States Patents to ASSIGNEE of the entire right, title and interest in and to any of said applications or United States Patents for the sole use and behoof of ASSIGNEE to the full ends of the respective terms for which said patent is granted.

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This ASSIGNMENT is governed by and is to be construed in accordance with the laws of the State of Chio, U.S.A. No representations, warranties, collateral assignments or conditions affecting this ASSIGNMENT are valid other than those expressed in this ASSIGNMENT. ASSIGNOR agrees that the provisions of this ASSIGNMENT are fully binding on ASSIGNOR and that ASSIGNOR'S respective heirs, executors, assigns and administrators have no right, title or interest in any of said applications, inventions or patents whatsoever.

IN WITNESS WHEREOF, the undersigned ASSIGNOR has caused his name to be subscribed hereto this.

ASSIGNOR SIGNATURE:

ASSIGNOR NAME:

Acgari? JSmith

STATE OF OHIO COUNTY OF WOOD }

day of 1755 2019, before me, the undersigned Notary Public in and for Wood County, State of Ohio, U.S.A., personally appeared Roger P. Skill) who is known to tag to be the same person whose name is subscribed above to this instrugge se acknowledged that he has signed,

sealed and the purposes herein set forth.

AMY M. BELL

NOTARY PUBLIC STATE OF OHIO

Commission Exclass

REEL: 051930 FRAME: 0364

Notary Platin

RECORDED: 11/01/2019