PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4961129

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LARA KOENICK	12/20/2017
ANDREW BIRKHOFF	01/22/2018
PAUL HARRIS	12/18/2017
YOUNG LEE	01/25/2018
RAUL PAREDES	02/02/2018
DOUGLAS LAIB	12/18/2017

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29647313

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: 567-336-7309

Email: Jennifer.Pasztor@o-i.com

Correspondent Name: SUSAN L. SMITH

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

ATTORNEY DOCKET NUMBER:	02210
NAME OF SUBMITTER:	SUSAN L. SMITH
SIGNATURE:	/Susan L. Smith/
DATE SIGNED:	05/15/2018

Total Attachments: 6

PATENT REEL: 045804 FRAME: 0097

504914385

PATENT REEL: 045804 FRAME: 0098

ASSIGNMENT

WHEREAS, I, Lara Koenick of 14402 Bubbling Springs Road, Boyds, Maryland 20841, hereinafter referred to as ASSIGNOR, has invented certain improvements in an invention entitled "CONTAINER", for which an application for a United States Patent was flied in the United States Patent & Trademark Office (USPTO) on /// 3/3 and thereafter received a USPTO Serial Number of 29/647, 3/3 :
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 filed 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 patents(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.
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, title and interest in and to any of said foreign patent application(s) or foreign patent(s) for the sole use and behoof of ASSIGNEE to the full ends of the respective terms for which said patent is granted.
This ASSIGNMENT is governed by and is to be construed in accordance with the laws of the State of Ohio, 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 20 day of 0.000
ASSIGNOR SIGNATURE:
STATE OF OHIO) COUNTY OF WOOD)
On this 20 day of December 2017, before me, the undersigned Notary Public in and for Wood County, State of Ohio, U.S.A., personally appeared Lara Kosnick 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, sealed and delivered this instrument as his free and voluntary act for the purposes herein set forth.
Notary Public, Word County, State of Onio AMY M. BELL NOTARY PUBLIC

My Commission Expline
May 12, 20 PATENT
PEEL: 045904 EDAME

STATE OF OHIO

REEL: 045804 FRAME: 0099

ASSIGNMENT WHEREAS, I, Andew Birkhoff of 2156 Sharwood Court, Columbus, Ohio 43235, hereinafter referred to as ASSIGNOR, has invented cartain improvements in an invention entitled "CONTAINER", for which an application for a United States Patent was filled in the United States Patent & Tradsmark Office (USPTO) on and thereafter received a USPTO Serial Number of 29/647, 3/3 Muy 11,20/8 AND WHEREAS, Owens-Brockway Glass Container Inc., hereinafter referred to as ASSIGNEE, a corporation organized and existing under the lews 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 scknowledged, I, as ASSIGNOR, do hereby sell, assign, transfer and convey unto ASSIGNEE, my entire right, little 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 filed 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 filing 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. 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, little and interest in and to any of said foreign patent application(s) or foreign patent(s) for the sole use and behoot of ASSIGNEE to the full ends of the respective terms for which said patent is granted. This ASSIGNMENT is governed by and is to be construed in accordance with the laws of the State of Ohio, 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: Andrew Sirkhoff STATE OF OHIO COUNTY OF WOOD) On this Aday of

., 201[®] before me, the undersigned Notary Public in and for Wood County, State of Ohio, U.S.A., personally appeared Andrew Birkhop will be known to me to be the same person whose name is subscribed above to this instrument, and who acknowledged that he has signed, sealed and delivered this instrument as his tree and volunters, act for the purposes herein set forth

Wood County, State of Ohio Nobecy Public:

AWY M. BELL

NOTARY PUBLIC STATE OF OHIO

Mv Commission Expires Mey 12, 20 💢

> PATENT REEL: 045804 FRAME: 0100

May 11, 2018

ASSIGNMENT

WHEREAS, I, Paul Harris of 4541 S May Avenue, Toledo, Ohio 43614, hereinafter referred to as ASSIGNOR, has invented certain improvements in an invention entitled "CONTAINER", for which an application for a United States Patent was filed in the United States Patent & Trademark Office (USPTO) on and thereafter received a USPTO Serial Number of 29/6/03/3/3 :

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 filed 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 filing date and USPTO Serial Number of said application for United States Patent, when known.
I, as ASSIGNOP, 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.
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, title and interest in and to any of said foreign patent application(s) or foreign patent(s) for the sole use and behoof of ASSIGNEE to the full ends of the respective terms for which said patent is granted.
This ASSIGNMENT is governed by and is to be construed in accordance with the laws of the State of Ohio, 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 16 day of December 2017
ASSIGNOR SIGNATURE: ASSIGNOR NAME: Paul paris
STATE OF OHIO)
COUNTY OF WOOD)
On this County, State of Ohio, U.S.A., personally appeared Pau
Harris 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, sealed and delivered the instrument as his free and voluntary act for the purposes herein set forth. AMY M. BELL
NOTARY PUBLIC
Notary Rublik Wood County, State of Ohio STATE OF OHIO

My Commission Expires May 12, 20

PATENT REEL: 045804 FRAME: 0101

ASSIGNMENT

WHEREAS, I, Young Lee of 4348 Niagra Lane, Perrysburg, Ohio 43551, hereinafter referred to as ASSIGNOR, has invented certain improvements in an invention entitled "CONTAINER", for which an application for a United States Patent was filed in the United States Patent & Trademark Office (USPTO) on 1/20/6 and the reafter received a USPTO Serial Number of 29/6473/3;
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, Perryeburg, 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 filed 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 filling 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.
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, title and interest in and to any of said foreign patent application(s) or foreign patent(e) for the sole use and behoof of ASSIGNEE to the full ends of the respective terms for which said patent is granted.
This ASSIGNMENT is governed by and is to be construed in accordance with the laws of the State of Ohio, 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: Young Lee
STATE OF OHIO) COUNTY OF WOOD)
On this
Notary Public, Wood County, State of Ohio AMY M. BELL
NOTARY PUBLIC

PATENT REEL: 045804 FRAME: 0102

STATE OF OHIO

My Commission Expires
May 12, 20 2

<u>ASSIGNMENT</u>

io	WHEREAS, I, Raul Paredes of 295 North Ridge Drive, Perrysburg, Ohio 43551, hereinafter referred to as ASSIGNOR, has invented certain improvements an invention entitled "CONTAINER", for which an application for a United States Patent was filled in the United States Patent & Trademark Office (USPTO) on and thereafter received a USPTO Serial Number of 29/647, 3/3
sta	AND WHEREAS, Owens-Brockway Glass Container Inc., hereinafter referred to as ASSIGNEE, a corporation organized and existing under the laws of the site 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 id interest in and to said invention as described in said application including all patentable subject matter disclosed in said application.
St inv su	NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby knowledged, 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 ates 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 vention as described in said application, (B) said application and any continuation or continuation-in-part application(s) of said application including all patentable bject 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 anted in pursuance of said application(s), (O) any foreign patent application(s) that may be filled on said invention, or based on said application(s), in organizations or number foreign to the United States of America, and (E) any foreign patent(s) granted on said foreign patent application(s).
th th	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 or 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 ose 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 consistent with the right, title and interest granted herein.
ot	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 SSIGNEE'S own name or through its successors, assigns, designees, legal representatives, subsidiaries or related companies, under an international Convention or herwise, and to enter into the appropriate spaces above in this ASSIGNMENT document, the filing date and USPTO Serial Number of said application for United States alent, 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 ntire 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 or which said patent is granted.
oi th	I, as ASSIGNOR, hereby authorize and request the Commissioner of Patents (or the equivalent) in any organizations or countries foreign to the United States I America to issue any said foreign patent(s) to ASSIGNEE of the entire right, title and interest in and to any of said foreign patent application(s) or foreign patent(s) for so less and behoof of ASSIGNEE to the full ends of the respective terms for which said patent is granted.
A	This ASSIGNMENT is governed by and is to be construed in accordance with the laws of the State of Ohio, U.S.A. No representations, warranties, collateral ssignments 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 pplications, inventions or patents whatsoever.
	IN WITNESS WHEREOF, the undersigned ASSIGNOR has caused his name to be subscribed hereto this day of, 201 S ASSIGNOR SIGNATURE
Ş	STATE OF OHIO ()
(COUNTY OF WOOD)
(On this Andrew of 1000000 2010 before me, the undereigned Notary Public in and for Wood County, State of Ohio, U.S.A., personally appeared You
!	ee 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, sealed and delivered this
3	nstrument as his free and voluntary act to the purposes herein set forth. AMY M. BELL
ì	Notary Public, Woold County, State of Ohio NOTARY PUBLIC STATE OF OHIO

My Commission Expires

May 12, 20

PATENT

REEL: 045804 FRAME: 0103

RECORDED: 05/15/2018

ASSIGNMENT

WHEREAS, I, Douglas Laib of 26724 Green Ville Drive, Perrysburg, Ohio 43551, hereinafter referred to as ASSIGNOR, has invented certain improvements in an invention entitled "CONTAINER", for which an application for a United States Patent was filed in the United States Patent & Trademark Office (USPTO) on 11, 2018 and thereafter received a USPTO Serial Number of 29/647, 3/3 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, (8) 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 filed 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 deam 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 filing 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. 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, title and interest in and to any of said foreign patent application(s) or foreign patent(s) for the sole use and behoof of ASSIGNEE to the full ends of the respective terms for which said patent is granted. This ASSIGNMENT is governed by and is to be construed in accordance with the laws of the State of Ohio, 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: STATE OF OHIO COUNTY OF WOOD) 201 (before me, the undersigned Notary Public in and for Wood County, State of Ohio, U.S.A., personally appeared Douglas Laib with is known to me to be the same person whose name is subscribed above to this instrument, and who acknowledged that he has signed, sealed and delivered this instrument as his free and voluntary act for the purposes herein set forth. AMY M. BELL Notein, Public, Weed County, State of Ohio

NOTARY PUBLIC STATE OF OHIO

My Commission Expires

REEL: 045804 FRAME: 0104