

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5207461

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SHRIDHAR GOPALAN	07/01/2014
GREGORY RUSSELL	07/01/2014
EVAN HARTRANFT	07/01/2014
RECEIVING PARTY DATA	
Name:	DLHBOWLES, INC.
Street Address:	2422 LEO AVENUE, SW
City:	CANTON
State/Country:	OHIO
Postal Code:	44706
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15819384
CORRESPONDENCE DATA	
Fax Number:	(216)348-5474
<i>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.</i>	
Phone:	216-348-5400
Email:	ipmailbox@mcdonaldhopkins.com
Correspondent Name:	MCDONALD HOPKINS LLC
Address Line 1:	600 SUPERIOR AVENUE, EAST
Address Line 2:	SUITE 2100
Address Line 4:	CLEVELAND, OHIO 44114-2653
ATTORNEY DOCKET NUMBER:	42989-00279
NAME OF SUBMITTER:	MARK J. MASTERSON
SIGNATURE:	/Mark J. Masterson/
DATE SIGNED:	10/26/2018
Total Attachments: 17	
source=7687898#page1.tif	
source=7687898#page2.tif	
source=7687898#page3.tif	

source=7687898#page4.tif
source=7687898#page5.tif
source=7687898#page6.tif
source=7687898#page7.tif
source=7687898#page8.tif
source=7687898#page9.tif
source=7687898#page10.tif
source=7687898#page11.tif
source=7687898#page12.tif
source=7687898#page13.tif
source=7687898#page14.tif
source=7687898#page15.tif
source=7687898#page16.tif
source=7687898#page17.tif

For: Patent Application
By: Inventors

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS, the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS:

Mr. Shridhar Gopalan
3105 Cardinal Drive
Westminster, MD 21157
Nationality: U.S.

Mr. Gregory Russell
34 Overbrook Road
Catonsville, MD 21228
Nationality: U.S.

Mr. Evan Hartranft
3014 Tanbark Lane
Baltimore, MD 20715
Nationality: U.S.

hereby sell, assign and transfer to

ASSIGNEE:

Bowles Fluidics Corporation
6625 Dobbin Road
Columbia, MD 21045
Nationality: U.S.

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to any and all improvements which are disclosed in the invention entitled:

Cup-shaped Fluidic Circuit, Nozzle Assembly and Method

and which is found in (37 C.F.R. § 3.21) U.S. provisional 61/476,845, a PCT application PCT/US12/34293, a national phase applications US 13/816,661, a CIP application 13/840,981, a design application 29/461,460 naming the above inventors, for the above-entitled invention and, in and to, all

Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

To comply with 37 C.F.R. § 3.21 for recordal of this assignment, We, ASSIGNORS signing below, hereby authorize and request our attorney to insert below the filing date and application number when they become known.


IN WITNESS WHEREOF, We have hereunto set hand and seal this _____ day of July 2014.

Date: 7/1 /14



Signature of Shridhar Gopalan

Date: 7/1 /14



Signature of Gregory Russell

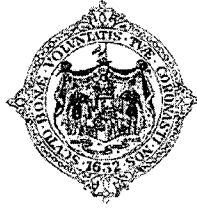
Date: 7/1 /14



Signature of Evan Hartranft

State of Maryland
Department of
Assessments and Taxation

Charter Division



Larry Hogan
Governor

Sean P. Powell
Director

Date: 01/13/2016

THE CORPORATION TRUST INCORPORATED
351 W CAMDEN ST
BALTIMORE MD 21201-7912

THIS LETTER IS TO CONFIRM ACCEPTANCE OF THE FOLLOWING FILING:

DEPARTMENT ID : D00066233
TYPE OF REQUEST : ARTICLES OF MERGER
DATE FILED : 01-08-2016
TIME FILED : 04:40 PM
RECORDING FEE : \$100.00
EXPEDITED FEE : \$50.00
FILING NUMBER : 1000362008940217
CUSTOMER ID : 0003365025
WORK ORDER NUMBER : 0004581603

PLEASE VERIFY THE INFORMATION CONTAINED IN THIS LETTER. NOTIFY THIS DEPARTMENT
IN WRITING IF ANY INFORMATION IS INCORRECT. INCLUDE THE CUSTOMER ID AND THE WORK
ORDER NUMBER ON ANY INQUIRIES.

Charter Division
Baltimore Metro Area (410) 767-1350
Outside Metro Area (888) 246-5941

ENTITY TYPE: ORDINARY BUSINESS - STOCK
STOCK: Y
CLOSE: U
PRINCIPAL OFFICE: 6625 DOBBIN ROAD
COLUMBIA MD 21045
RESIDENT AGENT: THE CORPORATION TRUST INCORPORATED
351 WEST CAMDEN STREET
BALTIMORE MD 21201-7912

COMMENTS:

THIS AMENDMENT RECORD INDICATES THE MERGER INVOLVING THE FOLLOWING ENTITIES:
THE SURVIVING ENTITY:
DLH INDUSTRIES, INC. (AN OHIO CORPORATION).

MERGED ENTITIES:

(D00066233) BOWLES FLUIDICS CORPORATION.

ARTICLES OF MERGER

of

Bowles Fluidics Corporation

(a Maryland corporation)

with and into

DLH Industries, Inc.

(an Ohio corporation)

RECEIVED
JAN 8 1966
FBI - CLEVELAND

THIS IS TO CERTIFY THAT:

FIRST: DLH Industries, Inc., an Ohio corporation, (the "**Successor Corporation**") and Bowles Fluidics Corporation, a Maryland corporation (the "**Merging Corporation**"), being the corporations that are the parties to these Articles of Merger, do hereby agree to effect a merger (the "**Merger**") of said corporations upon the terms and conditions set forth herein and contemplated by the Agreement and Plan of Merger, dated December 31, 2015, among DLH Acquisition Sub, Inc., a Delaware corporation ("**Acq Sub**"), the Merging Corporation and the Successor Corporation (the "**Merger Agreement**").

SECOND: The Merging Corporation is a corporation incorporated in the State of Maryland under the Maryland General Corporation Law on November 7, 1961, and, at the Effective Time (as defined in Article TENTH), will be merged into the Successor Corporation, and will cease to exist pursuant to the Maryland General Corporation Law.

The location of the principal office of the Merging Corporation in the State of Maryland is 6625 Dobbin Road, Columbia, Howard County, Maryland 21045. The Merging Corporation owns no interest in land in the State of Maryland.

THIRD: The Successor Corporation is a corporation incorporated in the State of Ohio under the Ohio General Corporation Law on June 7, 1977, and, at the Effective Time, will continue its corporate existence pursuant to the Ohio General Corporation Law. At the Effective Time, the name of the Successor Corporation shall be changed to dlhBowles, Inc.

The location of the principal office of the Successor Corporation in the State of Ohio is 2422 Leo Avenue, S.W., Canton, Ohio 44706. The resident agent of the Successor Corporation in the State of Ohio is John W. Saxon, 2422 Leo Avenue, S.W., Canton, Ohio 44706 and the resident agent of the Successor Corporation in the State of Maryland is Michael Ramsay, 6625 Dobbin Road, Columbia, Maryland 21045.

FOURTH: As a result of the Merger, the name of the Successor Corporation shall be

changed to "dlhBowles, Inc." and the articles of incorporation of the Successor Corporation will be amended to reflect such change of name. A copy of the amendment to be filed with the Ohio Secretary of State to effectuate the change of name is attached as Exhibit A hereto. As so amended, the articles of incorporation of the Successor Corporation in effect immediately prior to the Effective Time shall be the articles of incorporation of the Successor Corporation (the "**Successor Corporation Charter**") until further amended or supplemented as provided in the Successor Corporation Charter or by applicable law.

FIFTH: (a) Immediately prior to the Effective Time, the total number of shares of capital stock which the Merging Corporation has authority to issue pursuant to its charter is 100, all of which is Common Stock, par value \$0.001 per share. The aggregate par value of all classes of capital stock of the Merging Corporation having a par value is \$0.10.

(b) Immediately prior to the Effective Time, the total number of shares of capital stock which Acq Sub has authority to issue pursuant to its charter is 100, all of which is Common Stock, par value \$0.01 per share. The aggregate par value of all classes of capital stock of the Merging Corporation having a par value is \$1.00.

(c) Immediately prior to the Effective Time, the total number of shares of capital stock which the Successor Corporation has authority to issue pursuant to its charter is 100,000, all of which is Common Stock, without par value.

(d) Immediately after the Effective Time, the total number of shares of capital stock which the Successor Corporation will have authority to issue pursuant to its charter is 100,000, all of which is Common Stock, without par value.

SIXTH: At the Effective Time, the Successor Corporation shall possess any and all powers of the Merging Corporation, and all leases, licenses, property, rights, privileges and powers of whatever nature and description of the Merging Corporation shall be transferred to, vested in and devolved upon the Successor Corporation without further act or deed and the Successor Corporation shall be liable for all of the debts, liabilities, duties and obligations of the Merging Corporation. Except as otherwise specifically provided in these Articles of Merger, consummation of the Merger at the Effective Time shall have the effects set forth in Section 3-114 of the Maryland General Corporation Law.

SEVENTH: The manner and basis of converting or exchanging issued stock of the merging corporations at the Effective Time, and the treatment of any issued stock of the merging corporations not to be exchanged or converted, as more fully described in the Merger Agreement, are as follows:

At the Effective Time:

(a) Each share of Common Stock of the Successor Corporation owned by any person immediately prior to the Effective Time will, by virtue of the Merger and without any further action on the part of any such person, the Successor Corporation or the Merging Corporation, be forfeited,

canceled and extinguished.

(b) Each of the issued and outstanding shares of Common Stock of the Merging Corporation and of Acq Sub will, by virtue of the Merger and without any further action on the part of the Successor Corporation, the Merging Corporation, Acq Sub or any stockholder of the Merging Corporation or Acq Sub, be canceled and upon surrender of any certificates for such shares, the holder of any such shares shall receive an equivalent number of shares of the Common Stock, without par value, of the Successor Corporation.

EIGHTH: The terms and conditions of the Merger herein set forth were advised, authorized, and approved by the Successor Corporation in the manner and by the vote required by its charter and the provisions of the Ohio General Corporation Law. On December 24, 2015, through a unanimous written action without a meeting of the members of the Board of Directors, the Board of Directors of the Successor Corporation adopted resolutions approving and declaring advisable the Merger, the Merger Agreement and the other transactions contemplated by the Merger Agreement on substantially the terms and conditions set forth in or referred to in such resolutions.

NINTH: The terms and conditions of the Merger herein set forth were duly advised, authorized, and approved by the Merging Corporation in the manner and by the vote required by the charter of said corporation and the provisions of the Maryland General Corporation Law, as follows:

(a) On December 24, 2015, through a unanimous written action without a meeting of the members of the Board of Directors, the Board of Directors of the Merging Corporation adopted resolutions approving and declaring advisable the Merger, the Merger Agreement and the other transactions contemplated by the Merger Agreement on substantially the terms and conditions set forth in or referred to in such resolutions.

(b) The Board of Directors of the Merging Corporation directed that the Merger, the Merger Agreement and the other transactions contemplated by the Merger Agreement be submitted for consideration by the sole stockholder of the Merging Corporation.

(c) On December 24, 2015, through a written consent of the sole stockholder of the Merging Corporation adopted in accordance with the Maryland General Corporation Law, the Merger, the Merger Agreement and the other transactions contemplated by the Merger Agreement were duly adopted by the sole stockholder of the Merging Corporation.

TENTH: The Merger shall become effective as of January 8, 2016 (the "Effective Time").


ELEVENTH: Each of the undersigned acknowledges these Articles of Merger to be the act and deed of the respective corporation on behalf of which he or she has signed, and further, as to all matters or facts required to be verified under oath, each of the undersigned acknowledges that, to the best of his or her knowledge, information and belief, these matters and facts relating to the entity on whose behalf he or she has signed are true in all material respects and that this

statement is made under the penalties of perjury.


[Signatures on Following Page]

IN WITNESS WHEREOF, these Articles of Merger have been duly executed by the parties
hereto on this 31 day of December, 2015.

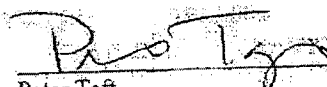
BOWLES FLUIDICS CORPORATION, a
Maryland corporation

By: 
Name: Peter Taft
Title: Vice President

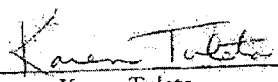
Attest:


Name: Karen Tuleta
Secretary

DLH INDUSTRIES, INC., an Ohio corporation

By: 
Name: Peter Taft
Title: Vice President

Attest:


Name: Karen Tuleta
Secretary

[Articles of Merger (MD)]

201600801234

DATE:
01/08/2016

DOCUMENT ID
201600801234

DESCRIPTION
MERGER/DOMESTIC (MER)

FILING
99.00

EXPED
300.00

PENALTY
.00

CERT
.00

COPY
.00

Receipt

This is not a bill. Please do not remit payment.

BAKER & HOSTETLER LLP
SONIA K. LOWE, PARALEGAL
65 E. STATE STREET, SUITE 2100
COLUMBUS, OH 43215

**STATE OF OHIO
CERTIFICATE**

Ohio Secretary of State, Jon Husted

499244

It is hereby certified that the Secretary of State of Ohio has custody of the business records for

DLHBOWLES, INC.

and, that said business records show the filing and recording of:

Document(s):
MERGER/DOMESTIC

Document No(s):
201600801234

Effective Date: 01/08/2016



United States of America
State of Ohio
Office of the Secretary of State

Witness my hand and the seal of the
Secretary of State at Columbus, Ohio this
8th day of January, A.D. 2016.

A handwritten signature in cursive script that reads "Jon Husted".

Ohio Secretary of State

**PATENT
REEL: 037620 FRAME: 0033**



Form 551 Prescribed by:

JON HUSTED
OHIO SECRETARY OF STATE

Toll Free: (877) SOS-FILE (877-767-3453)
Central Ohio: (614) 466-3910

www.OhioSecretaryofState.gov
busserv@OhioSecretaryofState.gov

File online or for more information: www.OhioBusinessCentral.com

Mail this form to one of the following:

Regular Filing (non expedite)
P.O. Box 1329
Columbus, OH 43218

Expedite Filing (Two business day processing time.
Requires an additional \$100.00)

P.O. Box 1390
Columbus, OH 43218

Certificate of Merger

Filing Fee: \$99

(154-MER)

Forms Must Be Typed

In accordance with the requirements of Ohio law, the undersigned corporations, banks, savings banks, savings and loan associations, limited liability companies, partnerships, limited partnerships and/or limited liability partnerships, desiring to effect a merger, set forth the following facts

I. (Surviving) Entity

A. Name of Entity Surviving the Merger

DLH Industries, Inc.

B. Name Change: As a result of this merger, the name of the surviving entity has changed to the following

dlhBowles, Inc.

(Complete only if name of surviving entity is changing through the merger)

C. The surviving entity is a (Please check the appropriate box and fill in the appropriate blanks)

1. ☒ Domestic (Ohio entity)

☐ Foreign (Non-Ohio Entity)

Jurisdiction of formation

2. Charter/Registration/License Number

499244

(If licensed in Ohio as domestic or foreign)

3. ☒ For-Profit Corporation

☐ Nonprofit Corporation

☐ For-Profit Limited Liability Company

☐ Nonprofit Limited Liability Company

☐ Partnership

☐ Limited Partnership

☐ Limited Liability Partnership

☐ Unincorporated Nonprofit Association

RECEIVED
2015 JAN -8 AM 11:44
CLIENT SERVICE CENTER

II. CONSTITUENT ENTITY

Provide the name, Ohio charter/license/registration number, type of entity, jurisdiction of formation, for each entity merging out of existence. (If this is insufficient space to reflect all merging entities, please attach a separate sheet listing the additional merging entities).

Entity Name	Ohio Charter/License/ Registration Number	Jurisdiction of Formation	Type of Entity
DLH Acquisition Sub, Inc.		Delaware	For-profit co
Bowles Fluidics Corporation		Maryland	For-profit co

III. MERGER AGREEMENT ON FILE

The name and mailing address of the person or entity from whom/which eligible persons may obtain a copy of the merger agreement upon written request

Michael Ramsay

Name

6625 Dobbin Road

Mailing Address

Columbia

City

Maryland

State

21045

Zip Code

IV. EFFECTIVE DATE OF MERGER

This merger is to be effective on January 8, 2016 (The date specified must be on or after the date of the filing. If no date is specified, the date of filing will be the effective date of the merger).

V. MERGER AUTHORIZED

Each constituent entity has complied with the laws under which it exists and the laws permit the merger. The agreement of merger is authorized on behalf of each constituent entity and each person who signed the certificate on behalf of each entity is authorized to do so.

VI. STATEMENT OF MERGER

Upon filing this Certificate of Merger, or upon such later date as specified herein, the merging entity/entities listed herein shall merge into the listed surviving entity.

VII. STATUTORY AGENT - To be filed **ONLY** if the surviving entity is a foreign entity not licensed in Ohio. If the surviving entity is a foreign entity **NOT** licensed to transact business in Ohio, provide the name and address of a statutory agent upon whom any process, notice or demand may be served.

Name

Mailing Address

City

Ohio

State

Zip Code

VIII. AMENDMENTS

If a domestic corporation, limited liability company or limited partnership survives the merger, any amendments to the entity's articles of incorporation, articles of organization, or certificate of limited partnership of the surviving domestic entity shall be filed with the certificate of merger.

☒ Amendments are attached

☐ No Amendments

IX. REQUIREMENTS OF CORPORATIONS MERGING OUT OF EXISTENCE

If a domestic corporation or foreign corporation licensed to transact business in Ohio is a constituent entity and the surviving entity is not a domestic corporation or foreign corporation to be licensed in Ohio, the certificate of merger must be accompanied by the affidavits, receipts, certificates, or other evidence required by division (H) of section 1701.86 division (G) of section 1702.47 of the Revised Code with respect to each domestic constituent corporation, and/or by the affidavits, receipts, certificates, or other evidence required by division (C) or (D) of section 1703.17 of the Revised Code with respect to each foreign constituent corporation licensed to transact business in Ohio.

X. QUALIFICATION OR LICENSE OF FOREIGN SURVIVING ENTITY

A surviving foreign entity that wishes to qualify in Ohio as part of the merger must file an additional form, as listed below, but no additional filing fee is required.

Foreign Qualifying Corporation - Form 530A or B and Certificate of Good Standing

Foreign Notice (if qualifying entity is a foreign bank, savings bank, or savings and loan association) - Form 552

Foreign Qualifying Limited Liability Company - Form 533B

Foreign Qualifying Limited Partnership - Form 531B

Foreign Qualifying Limited Liability Partnership - Form 537 and Evidence of Existence in Jurisdiction of Formation

The undersigned constituent entities (constituent entities include all merging and surviving entities) have caused this certificate of merger to be signed by their duly authorized officers, partners and representatives.

DLH Industries, Inc.
Name of entity
By: Peter G. Taft (Peter G. Taft)
Signature
Its: Vice President
Title

DLH Acquisition Sub, Inc.
Name of entity
By: Peter G. Taft (Peter G. Taft)
Signature
Its: Vice President
Title

Bowles Fluidics Corporation
Name of entity
By: Peter G. Taft (Peter G. Taft)
Signature
Its: Vice President
Title

An authorized representative of each constituent corporation, partnership, or entity must sign the merger certificate (ORC 1701.81(A), 1702.43 (A), 1705.38(A), 1776.70(A), 1782.433(A)). this includes all merging and surviving entities.



Form 540 Prescribed by:

JON HUSTED
OHIO SECRETARY OF STATE

Toll Free: (877) SOS-FILE (877-767-3453)

Central Ohio: (614) 466-3910

www.OhioSecretaryofState.gov

husted@OhioSecretaryofState.gov

File online or for more information: www.OHBusinessCentral.com

Mail this form to one of the following:

Regular Filing (non expedite)

P.O. Box 1329

Columbus, OH 43216

Expedite Filing (Two business day processing time.
Requires an additional \$100.00)

P.O. Box 1390

Columbus, OH 43216

Certificate of Amendment
(For-Profit, Domestic Corporation)
Filing Fee: \$50
Form Must Be Typed

Check appropriate box:

- ☒ Amendment to existing Articles of Incorporation (125-AMDS)
- ☐ Amended and Restated Articles (122-AMAP) - The following articles supersede the existing articles and all amendments thereto.

Complete the following information:

Name of Corporation

Charter Number

Check one box below and provide information as required:

- ☐ The articles are hereby amended by the **Incorporators**. Pursuant to Ohio Revised Code section 1701.70(A), incorporators may adopt an amendment to the articles by a writing signed by them if initial directors are not named in the articles or elected and before subscriptions to shares have been received.

- ☒ The articles are hereby amended by the **Directors**. Pursuant to Ohio Revised Code section 1701.70(A), directors may adopt amendments if initial directors were named in articles or elected, but subscriptions to shares have not been received. Also, Ohio Revised Code section 1701.70(B) sets forth additional cases in which directors may adopt an amendment to the articles.

The resolution was adopted pursuant to Ohio Revised Code section 1701.70(B)
(In this space insert the number 1 through 10 to provide basis for adoption.)

- ☐ The articles are hereby amended by the **Shareholders** pursuant to Ohio Revised Code section 1701.71.

- ☐ The articles are hereby amended and restated pursuant to Ohio Revised Code section 1701.72.

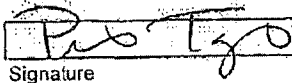
A copy of the resolution of amendment is attached to this document.

Note: If amended articles were adopted, they must set forth all provisions required in original articles except that articles amended by directors or shareholders need not contain any statement with respect to initial stated capital. See Ohio Revised Code section 1701.04 for required provisions.

Required

Must be signed by all incorporators, if amended by incorporators, or an authorized officer if amended by directors or shareholders, pursuant to Ohio Revised Code section 1701.73(B) and (C).


If authorized representative is an individual, then they must sign in the "signature" box and print their name in the "Print Name" box.


Signature


N/A
By (if applicable)

If authorized representative is a business entity, not an individual, then please print the business name in the "signature" box, an authorized representative of the business entity must sign in the "By" box and print their name in the "Print Name" box.

Peter G. Taft, Vice President
Print Name


Signature


By (if applicable)


Print Name


CERTIFICATE OF AMENDMENT
TO
THE ARTICLES OF INCORPORATION
OF
DLH INDUSTRIES, INC.

Peter G. Taft, Vice President, and Karen L. Tuleta, Secretary, of DLH Industries, Inc. (the "Company"), an Ohio corporation for profit with its principal place of business at 2422 Leo Avenue, Canton, Ohio, do hereby certify that pursuant to a Unanimous Written Consent of the Board of Directors In Lieu of Meeting of the Board of Directors of the Company (the "Board") adopted in accordance with Section 1701.54 of the Ohio Revised Code on December 24, 2015, the following resolution was adopted pursuant to Section 1701.70(B)(6) of the Ohio Revised Code:


RESOLVED, that the Articles are hereby amended by changing Article FIRST thereof so that, as amended, Article FIRST shall be and read as follows:

"FIRST. The name of said corporation shall be dlhBowles, Inc."

IN WITNESS WHEREOF, we have executed and subscribed this Certificate and do affirm the foregoing as true under penalties of perjury this 27th day of December, 2015.


Peter G. Taft, Vice President

Attest:


Karen L. Tuleta, Secretary