

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3809005

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOHN L. MIHALIK	03/14/2016
THOMAS A. GERACE	03/17/2016
RUSSELL G. BARBOUR	03/13/2016
RICHARD A. MEYER	03/11/2016
DAVID A. SANDBORG	03/11/2016
JAMES E. BOSTICK	03/14/2016
KURT F. WESCOE	03/17/2016
JENNIFER R. HANN	03/14/2016
TIMOTHY R. TRESCH	03/11/2016
WILLIAM EVANS	03/15/2016
KEITH KOST	03/17/2016
LAUREN SOZIO	03/17/2016
PATRICIA TRAVALINE	03/17/2016
ADAM OLIVERI	03/11/2016
RALPH JENKINS	03/10/2016
DAVID MCKENNA	03/11/2016
GREGORY GARAY	03/11/2016
MICHAEL SHAHEEN	03/14/2016
TERESA SHINE	03/10/2016
CARL LANEAVE	03/10/2016
AARON REINARD	03/10/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SKYWORD INC.
<b>Street Address:</b>	38 CHAUNCY STREET
<b>Internal Address:</b>	14TH FLOOR
<b>City:</b>	BOSTON
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02211
<b>PROPERTY NUMBERS Total: 1</b>	

<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14968083

**CORRESPONDENCE DATA**

**Fax Number:** (978)341-0136  
*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.*

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**Address Line 2:** HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

**Address Line 4:** CONCORD, MASSACHUSETTS 01742-9133

<b>ATTORNEY DOCKET NUMBER:</b>	3869.1005-002
<b>NAME OF SUBMITTER:</b>	DONNA BARTOLONE
<b>SIGNATURE:</b>	/DONNA BARTOLONE/
<b>DATE SIGNED:</b>	03/30/2016

**Total Attachments: 105**

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JointASSIGNMENT

WHEREAS, we, **John L. Mihalik, Thomas A. Gerace, Russell G. Barbour, Richard A. Meyer, David A. Sandborg, James E. Bostick, Kurt F. Wescoe, Jennifer R. Hann, Timothy R. Tresch, William Evans, Keith Kost, Lauren Sozio, Patricia Travaline, Adam Oliveri, Ralph Jenkins, David McKenna, Gregory Garay, Michael Shaheen, Teresa Shine, Carl Laneave, and Aaron Reinard**, have invented a certain improvement in **Methods And Systems For Using Community Defined Facets Or Facet Values In Computer Networks** described in an application for Patent,

- ☐ the specification of which is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- ☐ is about to be filed in the United States Patent Office as a Provisional Application;
- ☒ the specification of which is United States Application No. **14/968,083**, filed **December 14, 2015**;
- ☐ the specification of which is a Patent Cooperation Treaty Application, International Application No. [     ], filed     , which designates the United States of America [and is assigned United States Application No.     ];
- ☐ which was patented under United States Patent No. [     ].


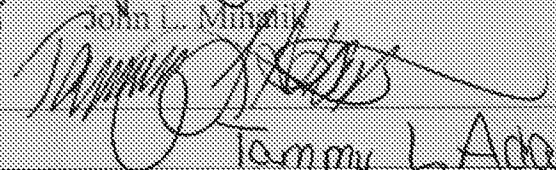
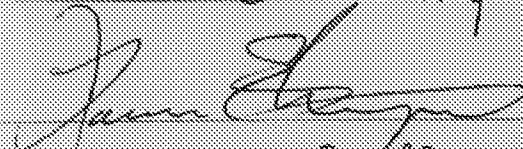
WHEREAS, **Skyword Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Delaware**, and having a usual place of business at **38 Chauncy Street, 14th Floor, Boston, MA 02211**, desires to confirm its interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for any and all related provisional and nonprovisional, international and national phase applications, including any and all substitution, reissue, divisional, continuation, and continuation-in-part applications, and obtain from competent authorities in all countries of the world any and all Letters Patent by

attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; we hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation, continuation-in-part applications, and all related provisional and nonprovisional, international and national phase applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

Inventor  Date 3/14/2016  
 John L. Minarik  
 Witness Signature   
 Print Witness Name Tammy L. Adams  
 Witness Signature   
 Print Witness Name LAUREN E. MEYER

Inventor \_\_\_\_\_ Date \_\_\_\_\_  
 Thomas A. Gerace  
 Witness Signature \_\_\_\_\_  
 Print Witness Name \_\_\_\_\_  
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 Print Witness Name \_\_\_\_\_

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Russell G. Barbour

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Richard A. Meyer

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

David A. Sandborg

Witness Signature \_\_\_\_\_

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

James E. Bostick

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Kurt F. Wescoe

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Jennifer R. Hann

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Timothy R. Tresch

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

William Evans

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Keith Kost

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Lauren Sozio

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Patricia Travaline

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Adam Oliveri

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Ralph Jenkins

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

David McKenna

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Gregory Garay

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Michael Shaheen

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Teresa Shine

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Carl Laneave

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Aaron Reinard

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JointASSIGNMENT

WHEREAS, we, **John L. Mihalik, Thomas A. Gerace, Russell G. Barbour, Richard A. Meyer, David A. Sandborg, James E. Bostick, Kurt F. Wescoe, Jennifer R. Hann, Timothy R. Tresch, William Evans, Keith Kost, Lauren Sozio, Patricia Travaline, Adam Oliveri, Ralph Jenkins, David McKenna, Gregory Garay, Michael Shaheen, Teresa Shine, Carl Laneave, and Aaron Reinard**, have invented a certain improvement in **Methods And Systems For Using Community Defined Facets Or Facet Values In Computer Networks** described in an application for Patent,

- ☐ the specification of which is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- ☐ is about to be filed in the United States Patent Office as a Provisional Application;
- ☒ the specification of which is United States Application No. **14/968,083**, filed **December 14, 2015**;
- ☐ the specification of which is a Patent Cooperation Treaty Application, International Application No. [     ], filed     , which designates the United States of America [and is assigned United States Application No.     ];
- ☐ which was patented under United States Patent No. [     ].

WHEREAS, **Skyword Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Delaware**, and having a usual place of business at **38 Chauncy Street, 14th Floor, Boston, MA 02211**, desires to confirm its interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for any and all related provisional and nonprovisional, international and national phase applications, including any and all substitution, reissue, divisional, continuation, and continuation-in-part applications, and obtain from competent authorities in all countries of the world any and all Letters Patent by

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AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation, continuation-in-part applications, and all related provisional and nonprovisional, international and national phase applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

Inventor John L. Mihalik Date \_\_\_\_\_

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Inventor \_\_\_\_\_ Date 3/17/16  
Thomas A. Gerace  
 Witness Signature \_\_\_\_\_  
 Print Witness Name Daniel Gebitz

Witness Signature Tyler Hoffman  
Print Witness Name Tyler Hoffman

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Russell G. Barbour

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Richard A. Meyer

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James E. Bostick

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Kurt F. Wescoe

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Jennifer R. Hann

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Timothy R. Tresch

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Lauren Sozio

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Patricia Travaline

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Ralph Jenkins

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

David McKenna

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Gregory Garay

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Michael Shaheen

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Teresa Shine

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Carl Laneave

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- ☐ the specification of which is a Patent Cooperation Treaty Application, International Application No. [     ], filed     , which designates the United States of America [and is assigned United States Application No.     ];
- ☐ which was patented under United States Patent No. [     ].

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NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for any and all related provisional and nonprovisional, international and national phase applications, including any and all substitution, reissue, divisional, continuation, and continuation-in-part applications, and obtain from competent authorities in all countries of the world any and all Letters Patent by

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AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

Inventor \_\_\_\_\_ Date \_\_\_\_\_  
John L. Mihalik

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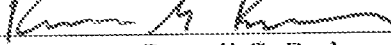
Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Thomas A. Gerace

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Inventor   
Russell G. Barbour

Date 3/13/2016

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Print Witness Name Alyssa K. Barbour

Witness Signature

Print Witness Name Deanna Driscoll

Inventor \_\_\_\_\_  
Richard A. Meyer

Date \_\_\_\_\_

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Inventor \_\_\_\_\_  
David A. Sandborg

Date \_\_\_\_\_

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Inventor \_\_\_\_\_  
James E. Bostick

Date \_\_\_\_\_

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Kurt F. Wescoe

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Jennifer R. Hann

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Timothy R. Tresch

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

William Evans

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Lauren Sozio

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Patricia Travaline

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Ralph Jenkins

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

David McKenna

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Gregory Garay

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Michael Shaheen

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Teresa Shine

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Carl Laneave

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Aaron Reinard

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JointASSIGNMENT

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
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Inventor

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Date

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Inventor

Richard A. Meyer

Date

3/11/16

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John L. Mihalik

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Thomas A. Gerace

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
 Russell G. Barbour

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
 Richard A. Meyer

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
 David A. Sandborg

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Inventor James E. Bostick Date MAR 14 2016  
 James E. Bostick

Witness Signature R. Nott 3-14-16  
 Print Witness Name RON Nott

Witness Signature Jim Bostick 3-14-16  
 Print Witness Name Jim Bostick

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Thomas A. Gerace

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Russell G. Barbour

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Richard A. Meyer

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

David A. Sandborg

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

James E. Bostick

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Inventor Kurt F. Wescoe Date 3/17/2016  
Kurt F. Wescoe  
Witness Signature Amy S Baker  
Print Witness Name Amy S Baker

Witness Signature Jacqueline K. Wescoe  
Print Witness Name Jacqueline K. Wescoe

Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Jennifer R. Hann  
Witness Signature \_\_\_\_\_  
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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Timothy R. Tresch  
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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
William Evans  
Witness Signature \_\_\_\_\_  
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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Keith Kost

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Lauren Sozio

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Patricia Travaline

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Adam Oliveri

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Ralph Jenkins

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

David McKenna

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Gregory Garay

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Michael Shaheen

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Teresa Shine

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Carl Laneave

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Aaron Reinard

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JointASSIGNMENT

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- ☐ is about to be filed in the United States Patent Office as a Provisional Application;
- ☒ the specification of which is United States Application No. **14/968,083**, filed **December 14, 2015**;
- ☐ the specification of which is a Patent Cooperation Treaty Application, International Application No. [     ], filed     , which designates the United States of America [and is assigned United States Application No.     ];
- ☐ which was patented under United States Patent No. [     ].

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NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for any and all related provisional and nonprovisional, international and national phase applications, including any and all substitution, reissue, divisional, continuation, and continuation-in-part applications, and obtain from competent authorities in all countries of the world any and all Letters Patent by

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
John L. Mihalik

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Thomas A. Gerace

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Kurt F. Wescoe

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Inventor \_\_\_\_\_ Date 3/14/2016

Jennifer R. Hann

Witness Signature Megan Karl

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Witness Signature Doug Wagner

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Teresa Shine

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
John L. Mihalik

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Thomas A. Gerace

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Russell G. Barbour

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

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James E. Bostick

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Kurt F. Wescoe

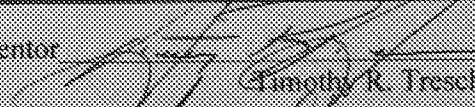
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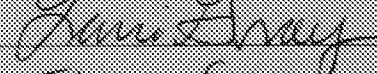
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Jennifer R. Hann

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Inventor \_\_\_\_\_ Date 3/11/2016  
 Timothy R. Tresch

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Print Witness Name Vittorio DeBacco

Inventor \_\_\_\_\_ Date \_\_\_\_\_  
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Inventor \_\_\_\_\_ Date \_\_\_\_\_

John L. Mihalik

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Inventor	Date
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Thomas A. Gerace

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William Evans

Date

3/15/2016

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Michael J. Caponero Jr.

Witness Signature

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CATHERINE A SWETEL



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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Keith Kost

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Lauren Sozio

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Patricia Travaline

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Adam Oliveri

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Ralph Jenkins

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

David McKenna

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Gregory Garay

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Michael Shaheen

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Teresa Shine

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Carl Laneave

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Aaron Reinard

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JointASSIGNMENT

WHEREAS, we, **John L. Mihalik, Thomas A. Gerace, Russell G. Barbour, Richard A. Meyer, David A. Sandborg, James E. Bostick, Kurt F. Wescoe, Jennifer R. Hann, Timothy R. Tresch, William Evans, Keith Kost, Lauren Sozio, Patricia Travaline, Adam Oliveri, Ralph Jenkins, David McKenna, Gregory Garay, Michael Shaheen, Teresa Shine, Carl Laneave, and Aaron Reinard**, have invented a certain improvement in **Methods And Systems For Using Community Defined Facets Or Facet Values In Computer Networks** described in an application for Patent,

- ☐ the specification of which is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- ☐ is about to be filed in the United States Patent Office as a Provisional Application;
- ☒ the specification of which is United States Application No. **14/968,083**, filed **December 14, 2015**;
- ☐ the specification of which is a Patent Cooperation Treaty Application, International Application No. [     ], filed     , which designates the United States of America [and is assigned United States Application No.     ];
- ☐ which was patented under United States Patent No. [     ].

WHEREAS, **Skyword Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Delaware**, and having a usual place of business at **38 Chauncy Street, 14th Floor, Boston, MA 02211**, desires to confirm its interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for any and all related provisional and nonprovisional, international and national phase applications, including any and all substitution, reissue, divisional, continuation, and continuation-in-part applications, and obtain from competent authorities in all countries of the world any and all Letters Patent by

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Inventor	Date
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John L. Mihalik

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Inventor	Date
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Thomas A. Gerace

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Russell G. Barbour

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Richard A. Meyer

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

David A. Sandborg

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

James E. Bostick

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Kurt F. Wescoe

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Jennifer R. Hann

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Timothy R. Tresch

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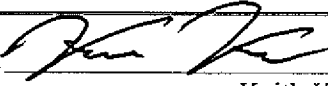
William Evans

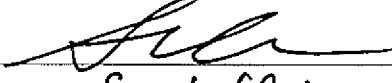
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Inventor  Date 3/17/2016  
Keith Kost

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Print Witness Name Sarah Choi

Witness Signature   
Print Witness Name Michael Garcia

Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Lauren Sozio

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Patricia Travaline

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Adam Oliveri

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Ralph Jenkins

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
John L. Mihalik

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Thomas A. Gerace

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Russell G. Barbour

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Jennifer R. Hann

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Timothy R. Tresch

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

William Evans

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Keith Kost


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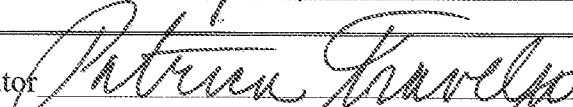
Inventor  Date 3/17/16  
Lauren Sozio

Witness Signature 

Print Witness Name Patricia Travaline

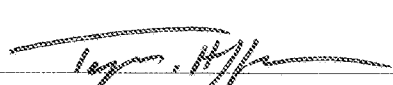
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Print Witness Name Tyler Hoffman

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Patricia Travaline

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John L. Mihalik

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Inventor	Date
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Thomas A. Gerace

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Russell G. Barbour

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Kurt F. Wescoe

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Jennifer R. Hann

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Inventor

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Inventor

Adam Oliveri

Date

3/11/2016

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Teresa Shine

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Carl Laneave

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Aaron Reinard

Witness Signature \_\_\_\_\_

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JointASSIGNMENT

WHEREAS, we, **John L. Mihalik, Thomas A. Gerace, Russell G. Barbour, Richard A. Meyer, David A. Sandborg, James E. Bostick, Kurt F. Wescoe, Jennifer R. Hann, Timothy R. Tresch, William Evans, Keith Kost, Lauren Sozio, Patricia Travaline, Adam Oliveri, Ralph Jenkins, David McKenna, Gregory Garay, Michael Shaheen, Teresa Shine, Carl Laneave, and Aaron Reinard**, have invented a certain improvement in **Methods And Systems For Using Community Defined Facets Or Facet Values In Computer Networks** described in an application for Patent,

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- ☐ is about to be filed in the United States Patent Office as a Provisional Application;
- ☒ the specification of which is United States Application No. **14/968,083**, filed **December 14, 2015**;
- ☐ the specification of which is a Patent Cooperation Treaty Application, International Application No. [     ], filed     , which designates the United States of America [and is assigned United States Application No.     ];
- ☐ which was patented under United States Patent No. [     ].

WHEREAS, **Skyword Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Delaware**, and having a usual place of business at **38 Chauncy Street, 14th Floor, Boston, MA 02211**, desires to confirm its interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for any and all related provisional and nonprovisional, international and national phase applications, including any and all substitution, reissue, divisional, continuation, and continuation-in-part applications, and obtain from competent authorities in all countries of the world any and all Letters Patent by

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
John L. Mihalik

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Thomas A. Gerace

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Russell G. Barbour

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Richard A. Meyer

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

David A. Sandborg

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

James E. Bostick

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Kurt F. Wescoe

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Jennifer R. Hann

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Timothy R. Tresch

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

William Evans

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Keith Kost

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Lauren Sozio

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Patricia Travaline

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Inventor \_\_\_\_\_ Date \_\_\_\_\_


Adam Oliveri

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Inventor   
Ralph Jenkins


Date 03/10/2016

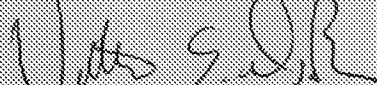
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Print Witness Name DOMINIQUE FALLAS


Witness Signature   
Print Witness Name Vittorio DeBacco

Inventor   
David McKenna


Date 03/11/2016


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Inventor   
Gregory Garay

Date 03/11/2016

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Inventor \_\_\_\_\_  
Michael Shaheen

Date \_\_\_\_\_

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Teresa Shine

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Aaron Reinard

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
John L. Mihalik

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Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Thomas A. Gerace

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Russell G. Barbour

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Richard A. Meyer

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Kurt F. Wescoe

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Jennifer R. Hann

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Timothy R. Tresch

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Ralph Jenkins

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

David McKenna

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Gregory Garay

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Michael Shaheen

3/14/2016

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Teresa Shine

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Carl Laneave

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

John L. Mihalik

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Inventor	Date
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Thomas A. Gerace

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Russell G. Barbour

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

Richard A. Meyer

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James E. Bostick

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Kurt F. Wescoe

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Jennifer R. Hann

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William Evans

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Lauren Sozio

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Patricia Travaline

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Adam Oliveri

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Ralph Jenkins

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Inventor \_\_\_\_\_ Date \_\_\_\_\_

David McKenna

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Inventor

  
Teresa Shine

Date

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Witness Signature



Print Witness Name

LAUREN E. MEYER


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Tommy L. Adams

Inventor

  
Carl Laneave

Date

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Witness Signature



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Tommy Adams

Inventor

  
Aaron Reinard

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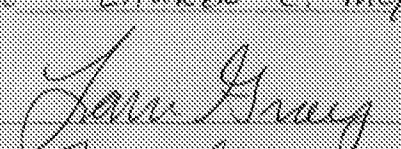
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Dana Gray