

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4707035

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JEROME BARTIER	11/14/2017
JAMES LAURENCE TAYLOR	11/04/2017
VIET-HUNG NGUYEN	11/11/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ITRON, INC.
<b>Street Address:</b>	2111 N MOLTER RD
<b>City:</b>	LIBERTY LAKE
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	99019
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15824696
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(509)323-8979
<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>	
<b>Phone:</b>	(509) 324-9256
<b>Email:</b>	leann@leehayes.com
<b>Correspondent Name:</b>	LEE & HAYES, PLLC
<b>Address Line 1:</b>	601 WEST RIVERSIDE, SUITE 1400
<b>Address Line 4:</b>	SPOKANE, WASHINGTON 99201
<b>ATTORNEY DOCKET NUMBER:</b>	I017-0164US
<b>NAME OF SUBMITTER:</b>	LEANN M CARMAN
<b>SIGNATURE:</b>	/LeAnn M Carman/
<b>DATE SIGNED:</b>	11/28/2017
<b>Total Attachments: 9</b>	
source=164assignment#page1.tif	
source=164assignment#page2.tif	
source=164assignment#page3.tif	
source=164assignment#page4.tif	

source=164assignment#page5.tif

source=164assignment#page6.tif

source=164assignment#page7.tif

source=164assignment#page8.tif

source=164assignment#page9.tif

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Serial Number ..... 15/824,696  
Filing Date ..... November 28, 2017  
Inventorship ..... Bartier et al.  
Applicant ..... Itron, Inc.  
Attorney's Docket No. .... I017-0164US  
Client Docket No. .... 30149-US-PAT  
Title: LIMITING FORWARDING OF MULTICAST COMMUNICATIONS

**PATENT ASSIGNMENT**

**PARTIES TO THE ASSIGNMENT**

Assignor(s):

Jerome Bartier  
c/o Itron, Inc.  
2111 N Molter Rd ,  
Liberty Lake, WA, 99019

James Laurence Taylor  
c/o Itron, Inc.  
2111 N Molter Rd ,  
Liberty Lake, WA, 99019

Viet-Hung Nguyen  
c/o Itron, Inc.  
2111 N Molter Rd ,  
Liberty Lake, WA, 99019

Assignee:

Itron, Inc.  
2111 N Molter Rd ,  
Liberty Lake, WA, 99019

**AGREEMENT**

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled  
"LIMITING FORWARDING OF MULTICAST COMMUNICATIONS" for which:

☐ a provisional application for United States Letters Patent was filed on \_\_\_\_\_ and  
was given U.S. Serial No. \_\_\_\_\_ and/or

☒ a non-provisional application for United States Letters Patent was: <sup>09</sup>

☒ filed on November 28, 2017 and was given U.S. Serial No. 15/824,696 ; or filed concurrently herewith. Assignors hereby authorize and request ASSIGNEE's legal representatives, of Lee & Hayes, PLLC, 601 W Riverside Ave, Suite 1400, Spokane, Washington 99201, who are associated with customer number 29150, to insert in the caption above the serial number and filing date of the patent application when known.

WHEREAS, Itron, Inc. (hereinafter referred to as ASSIGNEE), a corporation of the State of WA having a place of business at 2111 N Molter Rd, Liberty Lake, WA 99019 , desires to acquire the entire right, title and interest in and to the invention and in and to any letters patent that may be granted in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE, the entire right, title and interest in and to said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent.

November 14<sup>th</sup> 2017

Date

Jerome Bartier



Date

James Laurence Taylor

Date

Viet-Hung Nguyen

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number ..... 15/824,696  
Filing Date ..... November 28, 2017  
Inventorship ..... Bartier et al.  
Applicant ..... Itron, Inc.  
Attorney's Docket No. .... 1017-0164US  
Client Docket No. .... 30149-US-PAT  
Title: LIMITING FORWARDING OF MULTICAST COMMUNICATIONS

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Jerome Bartier  
c/o Itron, Inc.  
2111 N Molter Rd.,  
Liberty Lake, WA, 99019

James Laurence Taylor  
c/o Itron, Inc.  
2111 N Molter Rd.,  
Liberty Lake, WA, 99019

Viet-Hung Nguyen  
c/o Itron, Inc.  
2111 N Molter Rd.,  
Liberty Lake, WA, 99019

Assignee:

Itron, Inc.  
2111 N Molter Rd.,  
Liberty Lake, WA, 99019

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled  
"LIMITING FORWARDING OF MULTICAST COMMUNICATIONS" for which:

☐ a provisional application for United States Letters Patent was filed on \_\_\_\_\_  
and was given U.S. Serial No. \_\_\_\_\_ and/or

☒ a non-provisional application for United States Letters Patent was:  
☒ filed on November 28, 2017 and was given U.S. Serial No.  
15/824,696 ; or filed concurrently herewith. Assignors hereby authorize and  
request ASSIGNEE's legal representatives, of Lee & Hayes, PLLC, 601 W Riverside Ave,

Suite 1400, Spokane, Washington 99201, who are associated with customer number 29150, to insert in the caption above the serial number and filing date of the patent application when known.

WHEREAS, Itron, Inc. (hereinafter referred to as ASSIGNEE), a corporation of the State of WA having a place of business at 2111 N Molter Rd, Liberty Lake, WA 99019, desires to acquire the entire right, title and interest in and to the invention and in and to any letters patent that may be granted in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE, the entire right, title and interest in and to said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent.

\_\_\_\_\_  
Date

9<sup>th</sup> November, 2017

\_\_\_\_\_  
Date

\_\_\_\_\_  
Jerome Bartier

J.L. Taylor

\_\_\_\_\_  
James Laurence Taylor

\_\_\_\_\_  
Date

\_\_\_\_\_  
Viet-Hung Nguyen



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Serial Number.....15/824,696  
Filing Date.....November 28, 2017  
Inventorship.....Bartier et al.  
Applicant.....Itron, Inc.  
Attorney's Docket No. ....I017-0164US  
Client Docket No. ....30149-US-PAT  
Title: LIMITING FORWARDING OF MULTICAST COMMUNICATIONS

**PATENT ASSIGNMENT**

**PARTIES TO THE ASSIGNMENT**

Assignor(s):

Jerome Bartier  
c/o Itron, Inc.  
2111 N Molter Rd ,  
Liberty Lake, WA, 99019

James Laurence Taylor  
c/o Itron, Inc.  
2111 N Molter Rd ,  
Liberty Lake, WA, 99019

Viet-Hung Nguyen  
c/o Itron, Inc.  
2111 N Molter Rd ,  
Liberty Lake, WA, 99019

Assignee:

Itron, Inc.  
2111 N Molter Rd ,  
Liberty Lake, WA, 99019

**AGREEMENT**

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled  
"LIMITING FORWARDING OF MULTICAST COMMUNICATIONS" for which:

☐ a provisional application for United States Letters Patent was filed on \_\_\_\_\_ and  
was given U.S. Serial No. \_\_\_\_\_ and/or

☒ a non-provisional application for United States Letters Patent was:

☒ filed on November 28, 2017 and was given U.S. Serial No. 15/824,696 ; or filed concurrently herewith. Assignors hereby authorize and request ASSIGNEE's legal representatives, of Lee & Hayes, PLLC, 601 W Riverside Ave, Suite 1400, Spokane, Washington 99201, who are associated with customer number 29150, to insert in the caption above the serial number and filing date of the patent application when known.

WHEREAS, Itron, Inc. (hereinafter referred to as ASSIGNEE), a corporation of the State of WA having a place of business at 2111 N Molter Rd, Liberty Lake, WA 99019 , desires to acquire the entire right, title and interest in and to the invention and in and to any letters patent that may be granted in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE, the entire right, title and interest in and to said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Jerome Bartier

\_\_\_\_\_  
Date

\_\_\_\_\_  
James Laurence Taylor

*November 11, 2017*  
\_\_\_\_\_  
Date

*[Signature]*  
\_\_\_\_\_  
Viet-Hung Nguyen