PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2913762

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANIEL POPA	10/11/2012
JORJETA GUEORGUIEVA JETCHEVA	10/02/2012
MEHDI MANI	04/22/2014
BASTIEN MAINAUD	04/22/2014
VIET-HUNG NGUYEN	09/28/2012

RECEIVING PARTY DATA

Name:	ITRON, INC.
Street Address:	2111 NORTH MOLTER ROAD
City:	LIBERTY LAKE
State/Country:	WASHINGTON
Postal Code:	99019

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13648039

CORRESPONDENCE DATA

Fax Number: (509)323-8979

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: 5093249256

Email: shani@leehayes.com
Correspondent Name: LEE & HAYES PLLC
Address Line 1: 601 W RIVERSIDE AVE

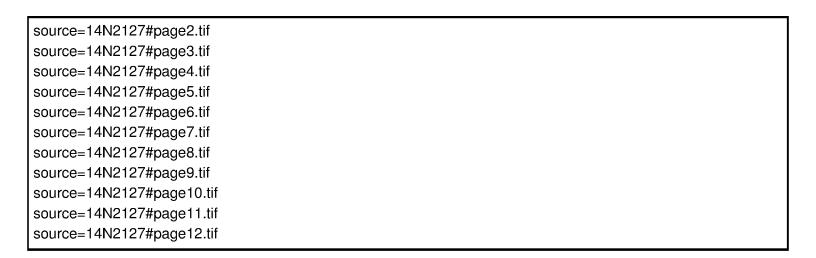
Address Line 2: SUITE 1400

Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER:	I017-0023US
NAME OF SUBMITTER:	SHANI D. HOKE
SIGNATURE:	/Shani D Hoke/
DATE SIGNED:	06/25/2014

Total Attachments: 12 source=14N2127#page1.tif

502867165 PATENT REEL: 033177 FRAME: 0702



PATENT REEL: 033177 FRAME: 0703

Serial Number
Applicant
Client Docket No
Title: Efficient Multicast in a Smart Grid
PATENT ASSIGNMENT
PARTIES TO THE ASSIGNMENT
Assignor(s):
Daniel Popa
Paris, France
Jorjeta Gueorguieva Jetcheva San Jose, CA
Mehdi Mani Paris, France
Bastien Mainaud Ris-Orangis, France
Viet-Hung Nguyen Saint-Mande, France
Assignee:
Itron, Inc.
2111 North Molter Road Liberty Lake, WA 99019
AGREEMENT
WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "Efficient Multicast in a Smart Grid" for which:
a provisional application for United States Letters Patent was filed on and
was given U.S. Serial Noand/or
a non-provisional application for United States Letters Patent was:

Page 1 of 3

 \square filed on $\frac{10/09/2012}{2}$ and was given U.S. Serial No. $\frac{13/648,039}{2}$

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 North Molter Road, Liberty Lake, WA 99019, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore 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 invention, 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

Page 2 of 3

patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

11 October 2012	If get
Date	Daniel Popa
Date	Jorjeta Gueorguieva Jetcheva
Date	Mehdi Mani
Date	Bastien Mainaud
Date	Viet-Hung Nguyen

Serial Number Filing Date Inventorship
PATENT ASSIGNMENT
PARTIES TO THE ASSIGNMENT
Assignor(s): Daniel Popa Paris, France
Jorjeta Gueorguleva Jetcheva San Jose, CA
Mehdi Mani Paris, France
Bastien Mainaud Ris-Orangis, France
Viet-Hung Nguyen Saint-Mande, France
Assignee: Itron, Inc. 2111 North Molter Road Liberty Lake, WA 99019
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☑ a non-provisional application for United States Letters Patent was:

Page 1 of 3

PATENT REEL: 033177 FRAME: 0707 illed on 10/09/2012 and was given U.S. Serial No. 13/648,039

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.

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Page 2 of 3

PATENT REEL: 033177 FRAME: 0708

protecting title to said invention or letters patent therefore.		
Date	Daniel Popa	
<u> 10 - 02 - 12</u> Date	Jorjeja Gueorguieya Jetcheva	
Date	Mehdi Mani	
Date	Bastien Mainaud	
Date	Viet-Hung Nguyen	

Serial Number
Filing Date
InventorshipPopa et al.
Applicant
Attorney's Docket No
Client Docket No
Title: Efficient Multicast in a Smart Grid
PATENT ASSIGNMENT
PARTIES TO THE ASSIGNMENT
Assignor(s):
Daniel Popa
Paris, France
Jorjeta Gueorguieva Jetcheva
San Jose, CA
Mehdi Mani
Paris, France
······································
Bastien Mainaud
Ris-Orangis, France
*7'
Viet-Hung Nguyen
Saint-Mande, France
Assignee:
Itron, Inc.
2111 North Molter Road
Liberty Lake, WA 99019
AGREEMENT
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Date

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Serial Number	
Filing Date	
Inventorship	
Applicant Itron, Inc.	
Attorney's Docket No	
Client Docket No. 20054	
Title: Efficient Multicast in a Smart Grid	
PATENT ASSIGNMENT	
PARTIES TO THE ASSIGNMENT	
Assignor(s):	
Daniel Popa	
Paris, France	
Jorjeta Gueorguieva Jetcheva	
San Jose, CA	
Mehdi Mani	
Paris, France	
Bastien Mainaud	
Ris-Orangis, France	
Viet-Hung Nguyen	
Saint-Mande, France	
<u>Assignee:</u>	
Itron, Inc.	
2111 North Molter Road	
Liberty Lake, WA 99019	
A CODUCTOR CONTUCT	
AGREEMENT	
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"Efficient Multicast in a Smart Grid" for which:	
a provisional application for United States Letters Patent was filed on	_ and
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patent on said invention, for	litigation regarding said letters patent, or	for the purpose of
protecting title to said invention	or letters patent therefore.	
Date	Daniel Popa	-
Date	Jorjeta Gueorguieva Jetcheva	_
Date	Mehdi Mani	_
Date	Bastien Mainaud	 -
28/01/2012 Date	Viet-Hung Nguyen	-