504721374 01/09/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4768097

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MEHDI MANI	08/04/2014
HARTMAN VAN WYK	11/12/2014

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:	14796189

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: cherri@leehayes.com LEE & HAYES, PLLC **Correspondent Name:** Address Line 1: 601 WEST RIVERSIDE

Address Line 2: **SUITE 1400**

Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER:	I017-0114US
NAME OF SUBMITTER:	CHERRI A. SIMON
SIGNATURE:	/Cherri A. Simon/
DATE SIGNED:	01/09/2018

Total Attachments: 6

source=1DA2455#page1.tif source=1DA2455#page2.tif source=1DA2455#page3.tif source=1DA2455#page4.tif

PATENT

REEL: 044578 FRAME: 0516 504721374

source=1DA2455#page5.tif source=1DA2455#page6.tif

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number	
Filing Date	***************************************
Inventorship	Mani et al
Applicant	
Attorney's Docket No	
Client Docket No	20721-US
Title: Relay Functionality of Battery Powered Devices	

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):
Mehdi Mani
c/o Itron, Inc.
2111 North Molter Road
Liberty Lake, WA, 99019

Hartman Van Wyk c/o Itron, Inc. 2111 North Molter Road Liberty Lake, WA, 99019

Assignee: Itron, Inc. 2111 North Molter Road Liberty Lake, WA, 99019

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "Relay Functionality of Battery Powered Devices" for which:

a provisional application for United States Letters Patent was filed on July 16, 2014 and was given U.S. Serial No. 62/025,346 and/or

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

Page 1 of 3

Attorney Docket No. 1017-0114US Client Docket No. 20721-US

filed on July 10, 2015 and was given U.S. Serial No. 14/796,189; 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

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

Date

Hartman Van Wyk

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number	*********************
Filing Date Inventorship Applicant	
Inventorship	Itron, Inc.
Applicant,	1017-0114US
Attorney's Docket No.	20721-US
I HOTE I BEKET NO.	
Title: Relay Functionality of Battery Powered Devices	

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s): Mehdi Mani c/o Itron, Inc. 2111 North Molter Road Liberty Lake, WA, 99019

Hartman Van Wyk c/o Itron, Inc. 2111 North Molter Road Liberty Lake, WA, 99019

Assignee: Itron, Inc. 2111 North Molter Road Liberty Lake, WA, 99019

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "Relay Functionality of Battery Powered Devices" for which:

 \boxtimes a provisional application for United States Letters Patent was filed on <u>July 16, 2014</u> and was given U.S. Serial No. <u>62/025,346</u> and/or

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

Attorney Docket No. 1017-0114US Client Docket No. 20721-US

[Siled on July 10, 2015 and was given U.S. Serial No. 14/796,189]; 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 ASSIGNOR(S) agree to execute all instruments and documents invention to ASSIGNEE. required for the making and prosecution of applications for United States and foreign letters

Attorney Docket No. 1017-0114US Client Docket No. 20721-US

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

Mehdi Mani

Hartman Van Wyk