505596922 07/30/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5643723

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID GREGORY SCHAFER	07/25/2019
MARK WAYNE GUSTAFSON	07/29/2019
STEPHEN EDWARD SCHULTE	07/23/2019
CURTIS ALLEN KIRKEBY	07/29/2019

RECEIVING PARTY DATA

Name:	AVISTA CORPORATION	
Street Address:	P. O. BOX 3727	
City:	SPOKANE	
State/Country:	WASHINGTON	
Postal Code:	99220-3727	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16526358

CORRESPONDENCE DATA

Fax Number: (509)326-8979

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: 509-324-9256

Email: cherri@leehayes.com LEE & HAYES, P.C. **Correspondent Name:**

601 W. RIVERSIDE AVENUE Address Line 1:

Address Line 2: **SUITE 1400**

Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER:	A015-0038US
NAME OF SUBMITTER:	CHERRI A. SIMON
SIGNATURE:	/Cherri A. Simon/
DATE SIGNED:	07/30/2019

Total Attachments: 12 source=2537024#page1.tif source=2537024#page2.tif

source=2537024#page3.tif		
source=2537024#page4.tif		
source=2537024#page5.tif		
source=2537024#page6.tif		
source=2537024#page7.tif		
source=2537024#page8.tif		
source=2537024#page9.tif		
source=2537024#page10.tif		
source=2537024#page11.tif		
source=2537024#page12.tif		

Serial Number	
Filing Date	
Inventorship	Schafer et al
Applicant	
Client Docket No	

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

David Gregory Schafer c/o Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

Mark Wayne Gustafson c/o Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

Stephen Edward Schulte c/o Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

Curtis Allen Kirkeby c/o Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

Assignee:

Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

Page 1 of 3 PATENT

REEL: 049911 FRAME: 0722

"WIRELESS BROADBAND METER COLLAR" 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 July 30, 2019 and was given U.S. Serial No. _______ and was given U.S. Serial No. ________ and was given U.S. Serial No. _________ filed concurrently herewith. Assignors hereby authorize and request ASSIGNEE's legal representatives, of Lee & Hayes, P.C., 601 W Riverside Ave., Suite 1400, Spokane, Washington 99201, who are associated with 29150, to insert in the caption above the serial number and filing date of the patent application when known.

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled

WHEREAS, Avista Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at P.O. Box 3727, Spokane WA 99220-3727 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)

Page 2 of 3

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.

7-75-749	- 1 med Sulater
Date	David Gregory Schafer
Date	Mark Wayne Gustafson
Date	Stephen Edward Schulte
Date	Curtis Allen Kirkeby

Serial Number	
Inventorship	Schafer et al
	A015-0038U9
	WIRELESS BROADBAND METER COLLAR

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

David Gregory Schafer c/o Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

Mark Wayne Gustafson c/o Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

Stephen Edward Schulte c/o Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

Curtis Allen Kirkeby c/o Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

Assignee:

Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

"WIRELESS BROADBAND METER COLLAR" 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 _____ July 30, 2019 and was given U.S. Serial No. _______ filed concurrently herewith. Assignors hereby authorize and request ASSIGNEE's legal representatives, of Lee & Hayes, P.C., 601 W Riverside Ave., Suite 1400, Spokane, Washington 99201, who are associated with 29150, to insert in the caption above the serial number and filing date of the patent application when known.

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled

WHEREAS, Avista Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at P.O. Box 3727, Spokane WA 99220-3727 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)

Attorney Docket No. A015-0038US

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	David Gregory Schafer
7/29/2019	Mark Wayne Gustafson 61D82210D17E475 Mark Wayne Gustafson
Date	Mark Wayne Gustatson
Date	Stephen Edward Schulte
Date	Curtis Allen Kirkeby

Serial Number	***************************************
Filing Date	***************************************
Inventorship	Sha(er et al
Applicant	***************************************
Attorney's Docket No	A015-W38US
Client Docket No.	
Title	

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

David Gregory Schafer c/o Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

Mark Wayne Gustafson c/o Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

Stephen Edward Schulte c/o Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

Curtis Allen Kirkeby c/o Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

Assignee:

Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

"WIRELESS BROADBAND METER COLLAR" 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:

It filed on _____ July 30, 2019 _____ and was given U.S. Serial No. ______ 16/526,358 ____; or filed concurrently herewith. Assignors hereby authorize and request ASSIGNEE's legal representatives, of Lee & Hayes, P.C., 601 W Riverside Ave., Suite 1400, Spokane, Washington 99201, who are associated with 29150, to insert in the caption above the serial number and filing date of the patent application when known.

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled

WHEREAS, Avista Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at P.O. Box 3727, Spokane WA 99220-3727 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(5) 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	David Gregory Schafer	
Date 7-23-2019	Mark Wayne Gustafson	
Date	Stephen Edward Schulte	
Date	Curtis Allen Kirkeby	

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

David Gregory Schafer c/o Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

Mark Wayne Gustafson c/o Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

Stephen Edward Schulte c/o Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

Curtis Allen Kirkeby c/o Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

Assignee:

Avista Corporation P.O. Box 3727 Spokane, WA US 99220-3727

"WIRELESS BROADBAND METER COLLAR" 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 July 30, 2019 and was given U.S. Serial No.

16/526,358 ; or filed concurrently herewith. Assignors hereby authorize and request ASSIGNEE's legal representatives, of Lee & Hayes, P.C., 601 W Riverside Ave., Suite 1400,

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled

WHEREAS, Avista Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at P.O. Box 3727, Spokane WA 99220-3727 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;

Spokane, Washington 99201, who are associated with 29150, to insert in the caption above the

serial number and filing date of the patent application when known.

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,

Attorney Docket No. A015-0038US

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.

RECORDED: 07/30/2019

Date	David Gregory Schafer
Date	Mark Wayne Gustafson
Date	Stephen Edward Schulte
July 29, 2019 Date	Curtis Allen Kirkeby