505562144 07/09/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5608941

| SUBMISSION TYPE: | NEW ASSIGNMENT | |
|-----------------------|----------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------------|----------------|
| ROBERT M. ENGELKE | 07/09/2019 |
| KEVIN R. COLWELL | 07/09/2019 |
| CHRISTOPHER R. ENGELKE | 07/09/2019 |

RECEIVING PARTY DATA

| Name: | ULTRATEC, INC. |
|-----------------|-----------------|
| Street Address: | 450 SCIENCE DR. |
| City: | MADISON |
| State/Country: | WISCONSIN |
| Postal Code: | 53711 |

PROPERTY NUMBERS Total: 11

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16422662 |
| Application Number: | 15982239 |
| Application Number: | 15729069 |
| Application Number: | 15171720 |
| Application Number: | 14953631 |
| Application Number: | 14632257 |
| Application Number: | 61946072 |
| Application Number: | 16149700 |
| Application Number: | 16147029 |
| Application Number: | 15477958 |
| Application Number: | 15477954 |

CORRESPONDENCE DATA

Fax Number:

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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Correspondent Name: QUARLES & BRADY LLP

Address Line 1: 411 E. WISCONSIN AVE., SUITE 2350
Address Line 4: MILWAUKEE, WISCONSIN 53202

PATENT

505562144 REEL: 049699 FRAME: 0462

| ATTORNEY DOCKET NUMBER: | 920197 | | |
|--|-----------------|--|--|
| NAME OF SUBMITTER: | JOHN R LINZER | | |
| SIGNATURE: | /John R Linzer/ | | |
| DATE SIGNED: 07/09/2019 | | | |
| Total Attachments: 4 source=920197 Assignment - Semi Automated Relay#page1.tif | | | |

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ASSIGNMENT

WHEREAS, we, the undersigned inventors, having our residences as set forth below, hereinafter referred to as "ASSIGNORS," have invented a certain new invention for:

SEMIAUTOMATED RELAY METHOD AND APPARATUS

as described and set forth in U.S. Patent Application Nos.:

16/422,662 filed on May 24, 2019, 15/982,239 filed on May 17, 2018, 15/729,069 filed on October 10, 2015, 15/171,720 filed on June 2, 2016, 14/953,631 filed on November 30, 2015, 14/632,257 filed on February 26, 2015, and 61/946,072 filed on February 28, 2014,

preparatory to obtaining Letters Patent of the United States therefore. In the event that the Application Number and/or filing date is not available when this Assignment is executed, Assignor hereby authorizes and requests any attorney associated with Quarles & Brady LLP, to insert above the filing date and/or the application number of said application when known; and

WHEREAS, <u>Ultratec</u>, <u>Inc.</u>, hereinafter referred to as "ASSIGNEE", a corporation incorporated under the laws of Wisconsin, with its principal place of business at 450 Science Dr., Madison, WI 53711 USA, is desirous of acquiring ASSIGNORS' entire right, title and interest in and to said invention, improvements, application and any Letters Patents which may be granted therefor or thereupon in any country, together with any and all non-provisional applications, divisions, continuations, continuations-in-part, reissues and extensions thereof in all countries throughout the world;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration by ASSIGNEE to ASSIGNORS, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS hereby sell, assign, agree to assign, transfer and set over unto ASSIGNEE, its successors and assigns, the entire right, title and interest in and to said invention, improvements, and in and to said application and any Letters Patents which may be granted therefor or thereupon, together with any and all non-provisional applications, divisions, continuations, continuations-in-part, reissues and extensions thereof, and ASSIGNORS authorize and request the Commissioner of Patents and Trademarks to issue any Letters Patent which may be granted for or upon said invention or applications, or patents resulting therefrom, insofar as my/our interest is concerned, unto ASSIGNEE in accordance with this Assignment. To the extent applicable, ASSIGNORS also hereby assign to ASSIGNEE, its successors and assigns, all right, title and interest to sue third parties for any past, present or future infringement, and to collect all damages relating thereto, of all Letters Patents assigned herein.

ASSIGNORS also assign to ASSIGNEE, all right, title and interest in and to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs throughout the world, including all rights to publish cautionary notices reserving ownership of said invention

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JOINT ASSIGNMENT

and all rights to register said invention in appropriate registries; and ASSIGNORS further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in ASSIGNEE.

ASSIGNORS will communicate to ASSIGNEE, its successors and assigns or their representatives, any facts known to us respecting said invention and improvements; and, at the expense of ASSIGNEE, ASSIGNORS will fully cooperate in any legal proceedings, including any proceeding within the United States Patent and Trademark Office or other Patent Office anywhere in the world, relating thereto, sign all lawful papers, execute all non-provisional, divisional, continuing, continuations-in-part, reissue and substitute applications, make all rightful oaths and declarations, and, in addition, execute any and all documents required to vest title in ASSIGNEE and to aid ASSIGNEE to obtain and enforce proper protection for said invention in all countries.

ASSIGNORS covenant that ASSIGNORS have the full right to convey the interest assigned by this Assignment, and that ASSIGNORS have not executed and will not execute any agreement in conflict with this Assignment.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

| NAME OF SOLE OR FIRST INVENTOR: | | | | | |
|---------------------------------------|-------|-------------|------------------------|-------------|--|
| Given Name (first and middle[if any]) | | Family N | Family Name or Surname | | |
| Robert M. | | | Engelk | Engelke | |
| Inventor's Signature | | | Date | | |
| /Robert M Engelke/ | | | | 7/9/2019 | |
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| 3002 Bryn Wood Drive | | 53711 | | US | |

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JOINT ASSIGNMENT

| NAME OF ADDITIONAL JOINT INVENTOR, if any: | | | | |
|--|-------|------------------------|---------|------------|
| Given Name (first and middle[if any]) | | Family Name or Surname | | |
| Kevin | | | Colwell | |
| Inventor's Signature | | | | Date |
| /Kevin R Colwell/ | | | | 7/9/2019 |
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| 1411 Willow Trail | | 53562 | υ | J S |

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JOINT ASSIGNMENT

RECORDED: 07/09/2019

| NAME OF SOLE OR FIRST INVENTOR: | | | | |
|---------------------------------------|-------|-------------|------------------------|------------|
| Given Name (first and middle[if any]) | | | Family Name or Surname | |
| Christopher R. | | | Engelke | |
| Inventor's Signature | | | | Date |
| /Christopher R Engelke/ | | | | 7/9/2019 |
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