

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5193112

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ALEXEY KARNACHEV	05/23/2018
ALEXEY KOZIONOV	05/23/2018
OLEG MANGUTOV	07/14/2018
ILYA MOKHOV	04/17/2018
NICOLAY VENIAMINOV	04/17/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	OOO SIEMENS
<b>Street Address:</b>	BOLSHAYA TATARSKAYA STREET 9
<b>City:</b>	MOSCOW
<b>State/Country:</b>	RUSSIAN FEDERATION
<b>Postal Code:</b>	115 184
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16081405
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(212)972-5487
<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>	212 883-4900
<b>Email:</b>	jcolwell@cozen.com
<b>Correspondent Name:</b>	COZEN O'CONNOR
<b>Address Line 1:</b>	277 PARK AVENUE, 20TH FLOOR
<b>Address Line 4:</b>	NEW YORK, NEW YORK 10172
<b>ATTORNEY DOCKET NUMBER:</b>	5029-1806PUS/427546
<b>NAME OF SUBMITTER:</b>	ALPHONSO A. COLLINS
<b>SIGNATURE:</b>	/Alphonso A. Collins/
<b>DATE SIGNED:</b>	10/17/2018
<b>Total Attachments: 9</b> source=Assignment1#page1.tif	

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## ASSIGNMENT

For good and valuable consideration, I (We),

Alexey Karnachev, residing at ul. Gagarina 9 App. 4, Oblast Archangelsk g. Mirny (г. Мирный),  
164170, RU, citizen of RU

Alexey Kozionov, residing at ul. Voenny gorodok -3 bulding 132a, kv-2, Pskov, 180005, RU,  
citizen of RU

Oleg Mangutov, residing at Konushennaya str. 23, apt 15, St. Petersburg, 196601, RU, citizen of  
RU

Ilya Mokhov, residing at Zagrebky 23/2/122, St. Petersburg, 192281, RU, citizen of RU

Nicolay Veniaminov, residing at Gastello str. 28, app. 48, St. Petersburg, 196135, RU, citizen of  
RU

hereafter individually or collectively referred to as "Assignor(s)";

Hereby, (I) acknowledge having previously assigned, sold and transferred to **OOO Siemens**, a corporation organized and existing under the laws of Russian Federation, having its principal place of business at Bolshaya Tatarskaya street, 9, 115 184 Moscow, hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to (A)(i) the laws of Russian Federation or (ii) a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of, or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee, the entire right, including any and all priority rights, title and interest, in and for the United States and all foreign countries, in and to any and all inventions or improvements which are disclosed in an invention disclosure and/or in the below-identified documents currently filed with this Assignment, already filed or granted for Letters Patent (in which case, any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior agreement(s) or assignment(s) then this Assignment shall govern, take precedence, and be of legal effect), or

(B)(i) to the extent such laws of Russian Federation or such Patent & Secrecy Agreement or similar legal document failed or fails, in whole or part, to have assigned, sold or transferred the entire right (including priority rights), title and interest, in and for the United States and all foreign countries, in and to all inventions or improvements which are disclosed in the below-identified application(s) or pending application(s) or granted Letters Patent, or (ii) if no such agreement(s) exist assigning, selling or transferring any such right (including priority rights), title or interest; then for good and valuable consideration, Assignor(s) now and hereby, effective Nunc Pro Tunc on the filing date of the below identified patent application(s), pending patent application(s) or granted Letter Patent(s), assign, sell and transfer(s) to Assignee, its successors, assigns and legal representatives, the entire right, (including all priority rights), title and interest in and for the United States and all foreign countries, in and to any and all inventions and/or improvements which are disclosed in the following identified, patent application(s), pending patent application(s) or granted Letter Patent(s)

Patent Application Title: METHOD FOR FLUID FLOW MEASUREMENT FOR A DISCRETE AREA OF A FLUID SUPPLY NETWORK  
Filing Date: 20 Jun 2016  
Filing Number: PCT/RU2016/000370  
Internal Case Number(s): 2016P07984WOUS

and in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;

(II) Agree that said Assignee may apply for and receive Letter Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and/or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and

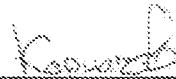
(III) Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.



Witness Signature

*Kusmichev Vladimir*

printed name



Alexey Karmachev

*23.09.2016*

Date

Witness Signature

Alexey Kozlov

printed name

Date


Witness Signature \_\_\_\_\_ Oleg Mangutov \_\_\_\_\_  
printed name \_\_\_\_\_ Date \_\_\_\_\_

Witness Signature \_\_\_\_\_ Ilya Mokhov \_\_\_\_\_  
printed name \_\_\_\_\_ Date \_\_\_\_\_

Witness Signature \_\_\_\_\_ Nikolay Verlaminov \_\_\_\_\_  
printed name \_\_\_\_\_ Date \_\_\_\_\_

Companies Representative(s)  
OOO Siemens

Signature(s)



Name(s):

Ms Irina Rostova, Ms Tatiana Aleksandrova

Title:

Head of CT IPREG RU, Commercial Head of CT

Date:

26.06.18

ASSIGNMENT

For good and valuable consideration, I (We),

Alexey Karnachev, residing at ul. Gagarina 9 App. 4, Oblast Archangelsk g. Mirny (г. Мирный),  
164170, RU, citizen of RU

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Nicolay Veniaminov, residing at Gastello str. 28, app. 48, St. Petersburg, 196135, RU, citizen of  
RU

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Patent Application Title: METHOD FOR FLUID FLOW MEASUREMENT FOR A DISCRETE AREA OF A FLUID SUPPLY NETWORK

Filing Date: 20 Jun 2016


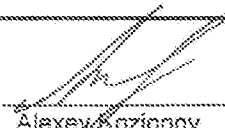
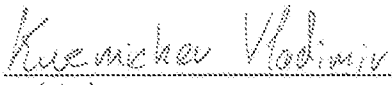
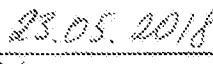
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and in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;

(II) Agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and

(III) Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

..... Witness Signature	..... Alexey Karnachev
..... printed name	..... Date
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 ..... Witness Signature	 ..... Alexey Kozionov
 ..... printed name	 ..... Date
-----	

Witness Signature

Oleg Mangutov

printed name

Date

Witness Signature

Ilya Mikhov

printed name

Date

Witness Signature

Nicolay Veniaminov

printed name

Date

Companies Representative(s)  
OOO Siemens

Signature(s):

Name(s)

Ms. Inna Roslova

Ms. Tatiana Aleksandrova

Title

Head of CT IP REG RU

Commercial Head of CT RU

Date:

23 MAY 2018



ASSIGNMENT

For good and valuable consideration, I (We).

Alexey Karnachev, residing at ul. Gagarina 9 App. 4, Oblast Archangelsk g. Mirny (г. Мирный),  
164170, RU, citizen of RU

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Nicolay Veniaminov, residing at Gastello str. 28, app. 48, St. Petersburg, 196136, RU, citizen of  
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.....  
Witness Signature

.....  
Alexey Kamachev

.....  
printed name

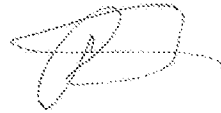
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Witness Signature

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Alexey Kozionov

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printed name

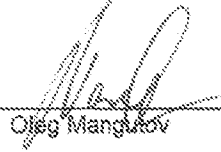
.....  
Date



Witness Signature

Kuzmichev Vladimir

printed name



Witness Signature

14.07.2018

Date

Witness Signature

printed name

Ilya Mokhov

Date

Witness Signature

printed name

Nicolay Veniaminov

Date


Companies Representative(s)  
OOO Siemens

Signature(s):

Name(s):

Title:

Date:



Ms Irina Roslova Ms Tatiana Aleksandrovna  
Head of CT IP REG RU Commercial Head of CT  
14.07.18