

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4514281

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JENS FUHRMANN	03/10/2017
REGINA RESZKA	03/06/2017
JUERGEN KASTLER	06/07/2016
KRISTINA BUSCH	06/07/2016
EDGAR LEIBOLD	06/07/2016
HUGO KATUS	03/06/2017
NORBERT FREY	03/06/2017
JOHANNA SIGL	03/10/2017
TANJA WEIS	03/09/2017

RECEIVING PARTY DATA

Name:	METANOMICS GMBH
Street Address:	TEGELER WEG 33
City:	BERLIN
State/Country:	GERMANY
Postal Code:	10589
Name:	RUPRECHT-KARLS-UNIVERSITAET HEIDELBERG
Street Address:	NEUENHEIMERSTR. 360
City:	HEIDELBERG
State/Country:	GERMANY
Postal Code:	69117

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15012449

CORRESPONDENCE DATA

Fax Number: (312)474-0448

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: (312)474-6300

Email: rebecca@marshallip.com, docket@marshallip.com

Correspondent Name:	MARSHALL, GERSTEIN & BORUN LLP
Address Line 1:	233 SOUTH WACKER DRIVE
Address Line 2:	6300 WILLIS TOWER
Address Line 4:	CHICAGO, ILLINOIS 60606-6357

ATTORNEY DOCKET NUMBER:	32471/H70159A
--------------------------------	---------------

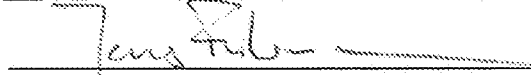
NAME OF SUBMITTER:	JOSHUA T. ELLIOTT
---------------------------	-------------------

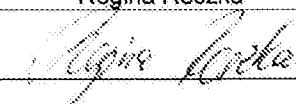
SIGNATURE:	/Joshua T. Elliott/
-------------------	---------------------

DATE SIGNED:	07/21/2017
---------------------	------------

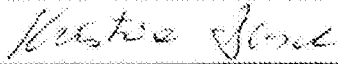
Total Attachments: 9

source=H70159A_Assignment#page1.tif
source=H70159A_Assignment#page2.tif
source=H70159A_Assignment#page3.tif
source=H70159A_Assignment#page4.tif
source=H70159A_Assignment#page5.tif
source=H70159A_Assignment#page6.tif
source=H70159A_Assignment#page7.tif
source=H70159A_Assignment#page8.tif
source=H70159A_Assignment#page9.tif

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT	
Title of Invention	MEANS AND METHODS FOR DIAGNOSING HEART FAILURE IN A SUBJECT
<p>As the below named inventor, I hereby declare that:</p> <p>This declaration is directed to: <input type="checkbox"/> The attached application, or <input checked="" type="checkbox"/> United States application or PCT international application number <u>15/012,449</u> filed on <u>02/01/2016</u>.</p> <p><input type="checkbox"/> As Amended on _____ (if applicable)</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>WHEREAS, Metanomics GmbH having places of business at Tegeler Weg 33, 10589 Berlin, Germany and</p> <p>Ruprecht-Karls-Universität Heidelberg having places of business at Neuenheimerstr. 360, 69117 Heidelberg, Germany (hereinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;</p> <p>NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.</p> <p>I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.</p> <p>Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.</p>	
LEGAL NAME OF INVENTOR	
Inventor:	Jens Fuhrmann
Date:	March 10 th , 2017
Signature:	

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT	
Title of Invention	MEANS AND METHODS FOR DIAGNOSING HEART FAILURE IN A SUBJECT
<p>As the below named inventor, I hereby declare that:</p> <p>This declaration <input type="checkbox"/> The attached application, or is directed to: <input checked="" type="checkbox"/> United States application or PCT international application number <u>15/012,449</u> filed on <u>02/01/2016</u> <input type="checkbox"/> As Amended on _____ (if applicable)</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>WHEREAS, Metanomics GmbH having places of business at Tegeler Weg 33, 10589 Berlin, Germany and Ruprecht-Karls-Universität Heidelberg having places of business at Neuenheimerstr. 360, 69117 Heidelberg, Germany (hereinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;</p> <p>NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.</p> <p>I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.</p> <p>Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.</p>	
LEGAL NAME OF INVENTOR	
Inventor:	<u>Regina Reszka</u> Date: <u>6.8.2017</u>
Signature:	<u></u>

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT	
Title of Invention	MEANS AND METHODS FOR DIAGNOSING HEART FAILURE IN A SUBJECT
<p>As the below named inventor, I hereby declare that:</p> <p>This declaration <input type="checkbox"/> The attached application, or is directed to: <input checked="" type="checkbox"/> United States application or PCT international application number <u>15/012,449</u> filed on <u>02/01/2016</u> <input type="checkbox"/> As Amended on _____ (if applicable)</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>WHEREAS, Metanomics GmbH having places of business at Tegeler Weg 33, 10589 Berlin, Germany and Ruprecht-Karls-Universität Heidelberg having places of business at Neuenheimerstr. 360, 69117 Heidelberg, Germany (hereinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;</p> <p>NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.</p> <p>I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.</p> <p>Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.</p>	
<p>LEGAL NAME OF INVENTOR</p> <p>Inventor: <u>Juergen Kasler</u> Date: <u>7/6/16</u></p> <p>Signature: _____</p>	

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT	
Title of Invention	MEANS AND METHODS FOR DIAGNOSING HEART FAILURE IN A SUBJECT
<p>As the below named inventor, I hereby declare that:</p> <p>This declaration <input type="checkbox"/> The attached application, or is directed to.</p> <p style="margin-left: 100px;"><input checked="" type="checkbox"/> United States application or PCT international application number <u>15/012,449</u> filed on <u>02/01/2016</u></p> <p style="margin-left: 100px;"><input type="checkbox"/> As Amended on _____ (if applicable)</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>WHEREAS, Metanomics GmbH having places of business at Tegeler Weg 33, 10589 Berlin, Germany and Ruprecht-Karls-Universität Heidelberg having places of business at Neuenheimerstr. 360, 69117 Heidelberg, Germany (hereinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;</p> <p>NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.</p> <p>I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.</p> <p>Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.</p>	
<p>LEGAL NAME OF INVENTOR</p> <p>Inventor: <u>Kristina Busch</u> Date: <u>7.6.16</u></p> <p>Signature: <u></u></p>	

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT**

**Title of
Invention**

MEANS AND METHODS FOR DIAGNOSING HEART FAILURE IN A SUBJECT

As the below named inventor, I hereby declare that:

This declaration
is directed to:

☐

The attached application, or

☒

United States application or PCT International application number 15/012,449
filed on 02/01/2016

☐

As Amended on _____ (if applicable)

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS, Metanomícs GmbH having places of business at Tegeler Weg 33, 10589 Berlin, Germany
and

Ruprecht-Karls-Universität Heidelberg having places of business at Neuenheimerstr. 360, 69117 Heidelberg, Germany
(hereinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in and to said invention
and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any
and all foreign countries;

NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby
acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said
ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all
foreign countries (including the right to claim priority under the terms of the International Convention and other relevant
International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any
and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all
foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any
and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of
my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors
and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same
would have been held by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me
respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation,
substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters
Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do everything possible to aid said
ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United
States and its territorial possessions and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or
imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR

Inventor: Edgar Leibold

Date: 7 June 2016

Signature: 

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT**

**Title of
Invention**

MEANS AND METHODS FOR DIAGNOSING HEART FAILURE IN A SUBJECT

As the below named inventor, I hereby declare that:

This declaration ☐ The attached application, or
is directed to:

☒ United States application or PCT international application number 15/012,449
filed on 02/01/2016

☐ As Amended on _____ (if applicable)

WHEREAS, Metanomics GmbH having places of business at Tegeler Weg 33, 10589 Berlin, Germany
and

Ruprecht-Karls-Universität Heidelberg having places of business at Neuenheimerstr. 360, 69117 Heidelberg, Germany
(hereinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in and to said invention
and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any
and all foreign countries;

NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby
acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said
ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all
foreign countries (including the right to claim priority under the terms of the International Convention and other relevant
International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any
and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all
foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any
and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of
my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors
and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same
would have been held by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me
respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation,
substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters
Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do everything possible to aid said
ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United
States and its territorial possessions and in any and all foreign countries.

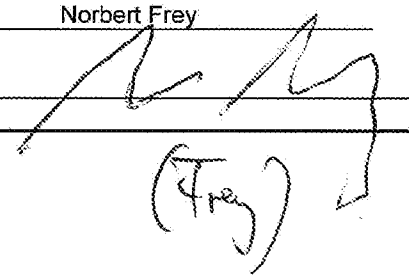
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or
imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR

Inventor: Hugo Katus

Date: 06.03.2017

Signature: 

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT	
Title of Invention	MEANS AND METHODS FOR DIAGNOSING HEART FAILURE IN A SUBJECT
<p>As the below named inventor, I hereby declare that:</p> <p>This declaration <input type="checkbox"/> The attached application, or is directed to: <input checked="" type="checkbox"/> United States application or PCT international application number <u>15/012,449</u> filed on <u>02/01/2016</u>.</p> <p><input type="checkbox"/> As Amended on _____ (if applicable)</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>WHEREAS, Metanomics GmbH having places of business at Tegeler Weg 33, 10589 Berlin, Germany and Ruprecht-Karls-Universität Heidelberg having places of business at Neuenheimerstr. 360, 69117 Heidelberg, Germany (hereinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;</p> <p>NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.</p> <p>I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.</p> <p>Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.</p>	
LEGAL NAME OF INVENTOR	
Inventor: <u>Norbert Frey</u>	Date: <u>6/3/2017</u>
Signature: 	

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT**

**Title of
Invention**

MEANS AND METHODS FOR DIAGNOSING HEART FAILURE IN A SUBJECT

As the below named inventor, I hereby declare that:

This declaration ☐ The attached application, or
is directed to:

☒ United States application or PCT international application number 15/012,449
filed on 02/01/2016

☐ As Amended on _____ (if applicable)

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS, Metanomics GmbH having places of business at Tegeler Weg 33, 10589 Berlin, Germany
and

Ruprecht-Karls-Universität Heidelberg having places of business at Neuenheimerstr. 360, 69117 Heidelberg, Germany
(hereinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in and to said invention
and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any
and all foreign countries;

NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby
acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said
ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all
foreign countries (including the right to claim priority under the terms of the International Convention and other relevant
International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any
and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all
foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any
and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of
my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors
and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same
would have been held by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me
respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation,
substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters
Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do everything possible to aid said
ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United
States and its territorial possessions and in any and all foreign countries.

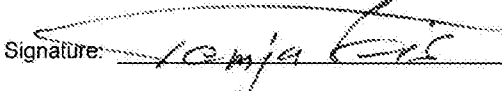
I hereby acknowledge that any wilful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or
imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR

Inventor: Johanna Wolf Sigl

Date: 10.3.2017

Signature: Johanna Sigl

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT	
Title of Invention	MEANS AND METHODS FOR DIAGNOSING HEART FAILURE IN A SUBJECT
<p>As the below named inventor, I hereby declare that:</p> <p>This declaration <input type="checkbox"/> The attached application, or is directed to: <input checked="" type="checkbox"/> United States application or PCT international application number <u>15/012,449</u> filed on <u>02/01/2016</u></p> <p><input type="checkbox"/> As Amended on _____ (if applicable)</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>WHEREAS, Metanomics GmbH having places of business at Tegeler Weg 33, 10589 Berlin, Germany and Ruprecht-Karls-Universität Heidelberg having places of business at Neuenheimerstr. 360, 69117 Heidelberg, Germany (hereinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;</p> <p>NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.</p> <p>I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.</p> <p>Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.</p>	
LEGAL NAME OF INVENTOR	
Inventor:	Tanja Weis
Signature:	
Date:	09/03/2017