PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5272668

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
ADRIAN LAM	08/15/2018	
BRADLEY STRAUSS	09/26/2018	
JOHN TORNBLAD	09/26/2018	
ADAM SULLIVAN	08/16/2018	
NICK GIANNASI	08/13/2018	

RECEIVING PARTY DATA

Name:	CHANGE HEALTHCARE HOLDINGS, LLC
Street Address:	3055 LEBANON PIKE, SUITE 1000
City:	NASHVILLE
State/Country:	TENNESSEE
Postal Code:	37214

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16213492

CORRESPONDENCE DATA

Fax Number: (704)444-1111

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: 704-444-1000

Email: usptomail@alston.com

Correspondent Name: CHANGE HEALTHCARE LLC AND ALSTON & BIRD

Address Line 1: BANK OF AMERICA PLAZA

Address Line 2: 101 SOUTH TRYON STREET, SUITE 4000 CHARLOTTE, NORTH CAROLINA 28280-4000

ATTORNEY DOCKET NUMBER:	065910/525158
NAME OF SUBMITTER:	GUY R. GOSNELL
SIGNATURE:	/Guy R. Gosnell/
DATE SIGNED:	12/07/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT 505225899 REEL: 047710 FRAME: 0321

Total Attachments: 15 source=525158_Declaration-Assignment#page1.tif source=525158_Declaration-Assignment#page2.tif source=525158_Declaration-Assignment#page3.tif source=525158_Declaration-Assignment#page4.tif source=525158_Declaration-Assignment#page5.tif source=525158_Declaration-Assignment#page6.tif source=525158_Declaration-Assignment#page7.tif source=525158_Declaration-Assignment#page8.tif source=525158 Declaration-Assignment#page9.tif source=525158_Declaration-Assignment#page10.tif source=525158_Declaration-Assignment#page11.tif source=525158 Declaration-Assignment#page12.tif source=525158_Declaration-Assignment#page13.tif source=525158_Declaration-Assignment#page14.tif source=525158_Declaration-Assignment#page15.tif

Title of Invention

METHODS AND APPARATUSES FOR UTILIZING MACHINE LEARNING TO IMPROVE ACCURACY OF RECORDS EVALUATION

I. DECLARATION

As th	e below named inventor, I, hereinafter refe	rred to as the undersigned,	hereby declare that:
This	declaration is directed to:		
	the attached application, or United States Application No. Application is a national phase entry of I	'Ul International Applicati	on No.
	filed, which cla , all applications listed above being	ims priority to	, filed
l beli	above-identified application was made or an even that I am the original inventor or an orication.	uthorized to be made by me	*
I here under	by acknowledge that any willful false state 18 U.S.C. 1001 by fine or imprisonment of	ement made in this declaration of not more than five (5) year	on is punishable ars, or both.
I here speci	by state that I have reviewed and understantication, including the claims, as amended	nd the contents of the above by any amendment referred	identified to above.
I ackı	nowledge the duty to disclose information	which is material to natenta	hility oc defined in 27

CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

IL ASSIGNMENT

Whereas, I have invented certain new and useful improvements in the application identified above; and whereas,

CHANGE HEALTHCARE HOLDINGS, LLC

3055 Lebanon Pike, Suite 1000 Nashville, TN 37214 USA

hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in and to said invention as described in the application identified above, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned has sold and assigned, and by these presents hereby sells and assigns, unto said assignee its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the invention identified above, including said application for United States Letters Patent, all divisional, renewal, substitute, continuation, nonprovisionals, continuation-inparts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent,

This Assignment is deemed to be effective at least as early as the earliest filing date.

Page 2 of 3

Attorney Docket No. 065910 / 512847 Ref. CHC-1483US (ERD)

LEGAL NAME OF INVENTOR	
	8/15/2018
Adrian LAM	Date
First/Witness Printed Name of First Witness	8/15/2018 Date
Second Witness	<u>@(15/2018</u>
Rebecca Hickerson	Date
Printed Name of Second Witness	

Title	of
Inver	ition

METHODS AND APPARATUSES FOR UTILIZING MACHINE LEARNING TO IMPROVE ACCURACY OF RECORDS EVALUATION

I. DECLARATION

As the	ne below named inventor, I, hereinafter referred to as the undersigned, l	hereby declare that:
This c	declaration is directed to:	
	the attached application, or United States Application No	on No.
	filed, which claims priority to, all applications listed above being hereinafter referred to as	tha "application(a)":
etent.		•
The a	above-identified application was made or authorized to be made by me	ŧ.
l belie applic	eve that I am the original inventor or an original joint inventor of a cla cation.	imed invention in the
I here under	by acknowledge that any willful false statement made in this declaration 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) year	on is punishable urs, or both.
I herel specif	eby state that I have reviewed and understand the contents of the above fication, including the claims, as amended by any amendment referred	-identified to above.
I ackn CFR 1	nowledge the duty to disclose information which is material to patental 1.56, including for continuation-in-part applications, material informat	pility as defined in 37 ion which became

available between the filing date of the prior application and the national or PCT international

filing date of the continuation-in-part application.

II. ASSIGNMENT

Whereas, I have invented certain new and useful improvements in the application identified above; and whereas,

CHANGE HEALTHCARE HOLDINGS, LLC

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hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in and to said invention as described in the application identified above, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned has sold and assigned, and by these presents hereby sells and assigns, unto said assignee its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the invention identified above, including said application for United States Letters Patent, all divisional, renewal, substitute, continuation, nonprovisionals, continuation-inparts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent,

This Assignment is deemed to be effective at least as early as the earliest filing date.

Page 2 of 3

Attorney Docket No. 065910 / 512847 Ref. CHC-1483US (ERD)

LEGAL NAME OF INVENTOR

Janley Stans	9/26/2018
Bradley STRAUSS	Date
Ai Leh	09/26/2018
First Witness	Date
CHIVANI RETU	
Printed Name of First Witness	
	į.
	9/26/18
Second Witness	Date
Comple Mad	
Printed Name of Second Witness	

Title of	
Invention	

METHODS AND APPARATUSES FOR UTILIZING MACHINE LEARNING TO IMPROVE ACCURACY OF RECORDS EVALUATION

L DECLARATION

As the	ne below named inventor, I, hereinafter referred to as the	ne undersigned, hereby	declare that:
This d	declaration is directed to:	8	
	the attached application, or United States Application No. Application is a national phase entry of PCT Interna	_ filed on tional Application No.	<u>.</u>
	filed, which claims priority, all applications listed above being hereinaft	y to	, filed
I belie	above-identified application was made or authorized to ieve that I am the original inventor or an original joint ication.	be made by me.	
I herel under	eby acknowledge that any willful false statement made r 18 U.S.C. 1001 by fine or imprisonment of not more	in this declaration is put than five (5) years, or b	unishable ooth.
I hereb specifi	eby state that I have reviewed and understand the conte fication, including the claims, as amended by any ame	ents of the above-identi ndment referred to abo	fied ve.
CFK I	nowledge the duty to disclose information which is ma 1.56, including for continuation-in-part applications, nable between the filing date of the prior application and date of the continuation-in-part application.	naterial information wh	ich became

IL ASSIGNMENT

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hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in and to said invention as described in the application identified above, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

Now, therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned has sold and assigned, and by these presents hereby sells and assigns, unto said assignee its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the invention identified above, including said application for United States Letters Patent, all divisional, renewal, substitute, continuation, nonprovisionals, continuation-inparts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignce all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

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Page 2 of 3

Attorney Docket No. 065910 / 512847 Ref. CHC-1483US (ERD)

LEGAL NAME OF INVENTOR	
John Lyling	9-76-7018
John TORNBLAD	Date
First Witness Cancel Vale Printed Name of First Witness	$\frac{a}{\text{Date}} \sqrt{\frac{36}{18}}$
Second Witness	9/26/18 Date
SHIVANI GETU	com (moderate)
Printed Name of Second Witness	

filing date of the continuation-in-part application.

DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

Title of
Invention

METHODS AND APPARATUSES FOR UTILIZING MACHINE LEARNING TO IMPROVE ACCURACY OF RECORDS EVALUATION

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As th	e below named inventor, I, hereinal	fter referred to as the undersigned,	hereby declare that:
This	declaration is directed to:		
	the attached application, or United States Application No Application is a national phase er	filed on ntry of PCT International Applicat	ion No
	filed w	hich claims priority to	filad
	filed, w , all applications listed ab	ove being hereinafter referred to a	s the "application(s)":
I belie	bove-identified application was ma eve that I am the original inventor o ation.		
l here under	by acknowledge that any willful fal 18 U.S.C. 1001 by fine or imprisor	lse statement made in this declarat ament of not more than five (5) ye	ion is punishable ars, or both.
I here specif	by state that I have reviewed and unication, including the claims, as am	nderstand the contents of the above sended by any amendment referred	e-identified I to above.
WEB.	owledge the duty to disclose inform .56, including for continuation-in-pole between the filing date of the production in the product of the p	part applications, material informa	tion which became

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Page 2 of 3

Attorney Docket No. 065910 / 512847 Ref. CHC-1483US (ERD)

LEGAL NAME OF INVENTOR

au Li	8-16-18
Adam SULLIVAN	Date
First Witness	8/16/18
Printed Name of First Witness	Date 1
Rundum	8116118
Second Witness	Date 3
Rebecca Hickerson	
Printed Name of Second Witness	

Title	of
Inver	ition

METHODS AND APPARATUSES FOR UTILIZING MACHINE LEARNING TO IMPROVE ACCURACY OF RECORDS EVALUATION

I. DECLARATION

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This d	eclaration is directed to:
	the attached application, or United States Application No
	all applications listed above being hereinafter referred to as the "application(s)"; pove-identified application was made or authorized to be made by me. we that I am the original inventor or an original joint inventor of a claimed invention in the ation.
I heret under	by acknowledge that any willful false statement made in this declaration is punishable 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
l hereb specifi	ry state that I have reviewed and understand the contents of the above-identified cation, including the claims, as amended by any amendment referred to above.
CLKI	owledge the duty to disclose information which is material to patentability as defined in 37 .56, including for continuation-in-part applications, material information which became the filing date of the prior application and the national or PCT international

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LEGAL NAME OF INVENTOR	8/13/18
Nick GIANNASI	Date
Mulde Cusan Zo First Witness	8/13/18 Date
NEIL de CRES CENZO Printed Name of First Witness	
1/1//4=	8/13/18
Second Wirness	Date
MICHAEL HARDEN	
Printed Name of Second Witness	